

FDZ Annual Report 2007

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Preface¹

Following the two evaluations by the German Council for Social and Economic Data in 2006 and by the German Council of Science and Humanities in 2007, the Research Data Centre (FDZ) of the Federal Employment Agency at the Institute for Employment Research plans to report on its activities regularly in future. We are beginning with this FDZ Annual Report 2007, which is no glossy brochure full of photos but is intended to summarise the main events of the past 12 or 24 months in a few pages. The Annual Report also serves to provide transparency for our users, who after all justify the existence of the FDZ. We thus hope you will understand the priorities we have set and that we were not able to fulfil all wishes. The evaluation by the German Council of Science and Humanities confirms that on many points we are right to maintain the same course we have been following so far (see quotations in the text, which are translated from German). Other suggestions regarding our work are, of course, welcomed. This Report is divided into the following chapters: "General Function", "Basic Information", "The Service-Oriented FDZ", "The International FDZ" and, as an apt conclusion, "Research at the FDZ". Parts of the appendices (for Example Publications or Presentations in German) are not translated in to English.

We hope all users, all those interested and all sponsors will enjoy reading the 2007 Annual Report.

¹ We would like to thank all FDZ employees for their useful tips and, of course, for their brilliant work in 2007.

1. General Function

The Research Data Centre (FDZ) of the Federal Employment Agency (BA) at the Institute for Employment Research (IAB) prepares individual datasets developed in the sphere of social security and in employment research and makes them available for research purposes – primarily for external researchers. Consequently, the FDZ promotes the use of competing scientific approaches and thus also contributes to the quality assurance of the data. Here the FDZ sees itself as a mediator between data producers such as the BA, research departments and project groups of the IAB as well as external scientists.

Hence, the FDZ has developed transparent and standardised access regulations in compliance with current data protection regulations, carries out data preparation, updating and data validation, carefully documents the data made available in detail, and provides individual advice on data access, data handling and analysis options as well as on the range and validity of the data.

The FDZ micro datasets include (as of February 2008) the IAB Establishment Panel, die IAB Employment Samples (IABS), the BA Employment Panel (BAP), the Integrated Employment Biographies Sample (IEBS), the Establishment History Panel (BHP) and the Linked-Employer-Employee Dataset from the IAB (LIAB). These datasets are of international significance for employment research because of the wide range of variables and large number of cases included. The existing data supply is constantly being updated and expanded with new datasets, existing data variables are adjusted and new variables added.

With its Internet presence (<http://fdz.iab.de>), the documentation and working tools available online such as the FDZ Datenreport² or the FDZ Methodenreport³ (see also Appendix 1) in addition to its workshops and users' conferences, the FDZ makes it easier for external researchers to work with datasets. In 2007, together with the research data centres of the Federal Statistical Office and the statistical offices of the Länder, the FDZ organised the first German Council for Social and Economic Data workshop for up-and-coming young researchers. The aim of the workshop was for them to learn how to handle micro data in practice, and/or improve their skills, for their own research work. Every other year (the last time being in December 2006) the FDZ organises a users' conference where users present the results of their research work in the BA / IAB.

² Nine data reports (FDZ Datenreport) were published in 2005, six in 2006 and four in 2007.

³ Four methodology reports (FDZ Methodenreport) were published in 2005, five in 2006 and nine in 2007, also including contributions from external researchers.

2. Basic Information

Establishment of the FDZ commenced in December 2003 since there was no systematic access to social data up until this point. Following a positive evaluation by the German Council for Social and Economic Data in April 2006, the FDZ was permanently established as an independent research data centre of the BA at the IAB. An evaluation by the German Council of Science and Humanities in 2007 confirmed that the FDZ was an internationally unique institution:

“The Research Data Centre (FDZ) (focusing on methods and data access) is an internationally visible, indispensable service institution, unique in Europe and a prime example to other institutions, possessing large datasets of scientific importance.” (Report of the German Council of Science and Humanities, p.55)

The FDZ has basic financing for a Head (exempt from collectively agreed terms), five positions for (senior)researcher, three for non-academic staff and student assistants (40 hours per week) (see Table 1). Two of the research positions are filled with temporary contacts at present. In addition to the five positions for (senior)researcher, the FDZ also has a part-time doctoral post (50%) authorised, plus a graduate post. All employees of the FDZ are currently classified according to the German Social Code Book III.

Another 3.5 positions in the FDZ are filled through third-party projects (as of February 2008). A further 2.5 externally funded positions are for work directly with project partners where the FDZ was a co-applicant (see also Chapter 5. “Research at the FDZ”).

Table 1: FDZ team members (as of February 2008)

| Surname, name | Key activities | Funding |
|------------------------|--|-------------|
| Bender, Stefan | Head | Basic |
| Drews, Nils | IAB Employment Samples (IABS) | Basic |
| Hartmann, Benedikt | Remote data access, mentoring of workstations for on-site use, user database | Basic |
| Herrlinger, Dagmar | Event management, Internet, organisation | Basic |
| Hethey, Tanja | Establishment History Panel (BHP), combined firm data for Germany (KombiFiD) | Third-party |
| Huber, Martina | IAB Establishment Panel, further training as a part of lifelong learning (WeLL), FAWE Panel | Third-party |
| Jacobebbinghaus, Peter | Linked Employer-Employee Dataset from the IAB (LIAB) | Basic |
| Müller, Dana | IAB Establishment Panel, metadata | Basic |
| Oberschachtsiek, Dirk | Integrated Employment Biographies Sample (IEBS) | Basic |
| Schmucker, Alexandra | IAB Establishment Panel, BA Employment Panel (BAP), further training as a part of lifelong learning (WeLL), Internet | Basic |
| Scioch, Patrycja | Graduate scheme (GradAB), combined firm data for Germany (KombiFiD) | Third-party |
| Seth, Stefan | Data preparation, mentoring of workstations for on-site use | Basic |
| Spengler, Anja | Establishment History Panel (BHP), combined firm data for Germany (KombiFiD) | Third-party |

The FDZ is currently equipped with 17 workstations. Owing to an acute shortage of space at the IAB, the second room for guest researchers had to be closed in 2007. Therefore, at present, guests at the FDZ work in a room equipped with four workstations. There were times in 2007 when up to four guests at the FDZ worked in this room (see Table 2). On average the guest workstations at the FDZ were used at 64% capacity.

Table 2: Booking schedule for guest researcher workstations 2007

| Date | On-site use workstation 1 | | | | | On-site use workstation 2 | | | | | On-site use workstation 3 | | | | | On-site use workstation 4 | | | | |
|-------|---------------------------|----|----|----|----|---------------------------|----|----|----|----|---------------------------|----|----|----|----|---------------------------|----|----|----|----|
| | Mo | Tu | We | Th | Fr | Mo | Tu | We | Th | Fr | Mo | Tu | We | Th | Fr | Mo | Tu | We | Th | Fr |
| 1.1 | | | | | | | | | | | | | | | | | | | | |
| 8.1 | | | | | | | | | | | | | | | | | | | | |
| 15.1 | | | | | | | | | | | | | | | | | | | | |
| 22.1 | | | | | | | | | | | | | | | | | | | | |
| 29.1 | | | | | | | | | | | | | | | | | | | | |
| 5.2 | | | | | | | | | | | | | | | | | | | | |
| 12.2 | | | | | | | | | | | | | | | | | | | | |
| 19.2 | | | | | | | | | | | | | | | | | | | | |
| 26.2 | | | | | | | | | | | | | | | | | | | | |
| 5.3 | | | | | | | | | | | | | | | | | | | | |
| 12.3 | | | | | | | | | | | | | | | | | | | | |
| 19.3 | | | | | | | | | | | | | | | | | | | | |
| 26.3 | | | | | | | | | | | | | | | | | | | | |
| 2.4 | | | | | | | | | | | | | | | | | | | | |
| 9.4 | | | | | | | | | | | | | | | | | | | | |
| 16.4 | | | | | | | | | | | | | | | | | | | | |
| 23.4 | | | | | | | | | | | | | | | | | | | | |
| 30.4 | | | | | | | | | | | | | | | | | | | | |
| 7.5 | | | | | | | | | | | | | | | | | | | | |
| 14.5 | | | | | | | | | | | | | | | | | | | | |
| 21.5 | | | | | | | | | | | | | | | | | | | | |
| 28.5 | | | | | | | | | | | | | | | | | | | | |
| 4.6 | | | | | | | | | | | | | | | | | | | | |
| 11.6 | | | | | | | | | | | | | | | | | | | | |
| 18.6 | | | | | | | | | | | | | | | | | | | | |
| 25.6 | | | | | | | | | | | | | | | | | | | | |
| 2.7 | | | | | | | | | | | | | | | | | | | | |
| 9.7 | | | | | | | | | | | | | | | | | | | | |
| 16.7 | | | | | | | | | | | | | | | | | | | | |
| 23.7 | | | | | | | | | | | | | | | | | | | | |
| 30.7 | | | | | | | | | | | | | | | | | | | | |
| 6.8 | | | | | | | | | | | | | | | | | | | | |
| 13.8 | | | | | | | | | | | | | | | | | | | | |
| 20.8 | | | | | | | | | | | | | | | | | | | | |
| 27.8 | | | | | | | | | | | | | | | | | | | | |
| 3.9 | | | | | | | | | | | | | | | | | | | | |
| 10.9 | | | | | | | | | | | | | | | | | | | | |
| 17.9 | | | | | | | | | | | | | | | | | | | | |
| 24.9 | | | | | | | | | | | | | | | | | | | | |
| 1.10 | | | | | | | | | | | | | | | | | | | | |
| 8.10 | | | | | | | | | | | | | | | | | | | | |
| 15.10 | | | | | | | | | | | | | | | | | | | | |
| 22.10 | | | | | | | | | | | | | | | | | | | | |
| 29.10 | | | | | | | | | | | | | | | | | | | | |
| 5.11 | | | | | | | | | | | | | | | | | | | | |
| 12.11 | | | | | | | | | | | | | | | | | | | | |
| 19.11 | | | | | | | | | | | | | | | | | | | | |
| 26.11 | | | | | | | | | | | | | | | | | | | | |
| 3.12 | | | | | | | | | | | | | | | | | | | | |
| 10.12 | | | | | | | | | | | | | | | | | | | | |
| 17.12 | | | | | | | | | | | | | | | | | | | | |
| 24.12 | | | | | | | | | | | | | | | | | | | | |
| 31.12 | | | | | | | | | | | | | | | | | | | | |

PC not occupied
PC occupied by guest researcher
On-site use not possible due to holidays, internal activities or maintenance

A new server has been available for users of the FDZ since December 2007. This has four considerably faster dual-core processors and a 32 GB memory. A Windows operating system means the surface is more user friendly now. The old Unix server with 16 GB memory will still be used for individual projects in remote data access, so our computer capacity has tripled as a result.

3. The Service-Oriented FDZ

A large amount of data prepared and made available by the FDZ over the past few years was updated in 2007 (see Table 3). The Establishment History Panel (BHP) was included in the data supply for the first time. Preparation of the data is, of course, accompanied by updates of the relevant FDZ Datenreports. In the Datenreports, representation of the variables (frequencies or means) for all datasets was converted to Stata log files to save it having to be formatted in Word. In 2006 und 2007, FDZ employees presented the FDZ data supply in a large number of lectures in Germany and abroad (see Appendix 2).

Table 3: Development of datasets and documentation available from the FDZ in 2007

| | |
|--|--|
| IAB Establishment Panel | <ul style="list-style-type: none"> – Preparation of 2006 wave – Development of test data |
| IAB Employment Samples (IABS) | <ul style="list-style-type: none"> – Update of the weakly anonymous IABS to the year 2004 – Revision of documentation (FDZ Datenreport No. 03/2007) |
| Integrated Employment Biographies Sample (IEBS) | <ul style="list-style-type: none"> – Preparation of the IEBS-SUF scientific use file – Documentation of the IEBS-SUF (FDZ Datenreport No.01/2007) |
| Establishment History Panel (BHP) | <ul style="list-style-type: none"> – Update of the BHP <ul style="list-style-type: none"> ○ Extension of observation period from 1975-2005 ○ Adding of new variables – Documentation of BHP 2 (FDZ Datenreport No. 04/2007) |
| Linked Employer-Employee Dataset from the IAB (LIAB) | <ul style="list-style-type: none"> – Update of the LIAB cross-sectional model to the year 2005, including addition of new variables – Revision of the cross-sectional model test data – Revision of the LIAB Data Handbook (FDZ Datenreport No. 02/2007) |

There are numerous figures to support the increasing importance of the FDZ. In fact, there is a special FDZ database that documents its activities.

Before the FDZ data can be used for the first time, a request to use the data has to be submitted, including a project description. Following approval by the Federal Ministry for Labour and Social Affairs, a use agreement is concluded between the scientist and the IAB. Table 4 shows the number of approvals according to dataset and data access in 2005-2007. The number of projects increased continuously from 81 (in 2005) to 116 (in 2007). It should also be noted that

the projects normally last for over a year and thus projects from 2005 and 2006 were also continued in 2007. The three datasets in highest demand have been the IAB Establishment Panel (with consistently high figures), the IAB Employment Samples – with guest stays also playing a role here – and the LIAB (with a high increase in agreements over the years).

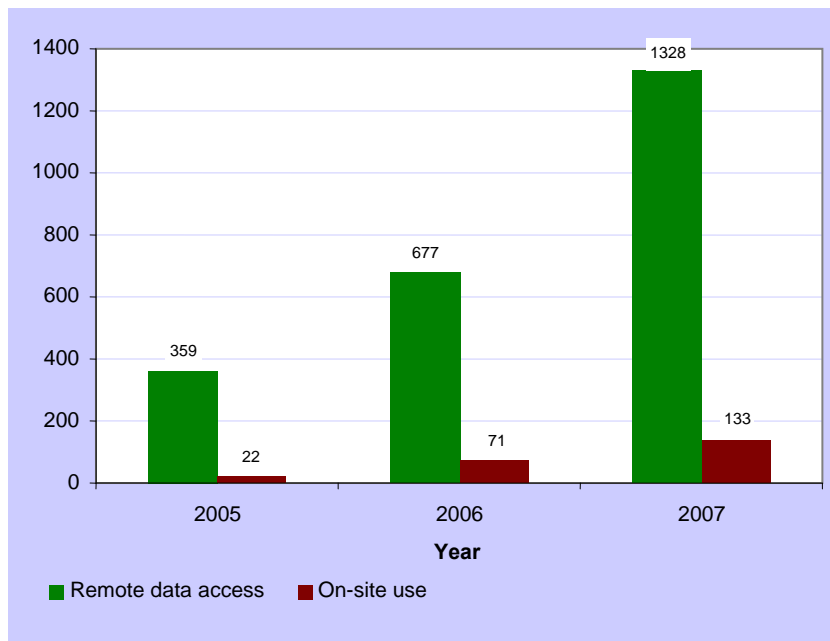
Table 4: Number of new project/contracts approvals according to dataset and data access

| Dataset | Data access | 2005 | 2006 | 2007 | Σ 2005 - 2007*1 |
|---|--|------|------|------|------------------------------|
| Not allocated | Remote data access | 0 | 0 | 2 | 2 |
| BA Employment Panel | Remote data access | 1 | 3 | 9 | 13 |
| BA Employment Panel | On-site use | 0 | 1 | 1 | 2 |
| BA Employment Panel | Scientific use file | 8 | 0 | 4 | 12 |
| IAB Establishment Panel | Remote data access | 29 | 36 | 35 | 100 |
| IAB Establishment Panel | On-site use | 2 | 8 | 7 | 17 |
| Establishment History Panel (BHP) | On-site use | 0 | 2 | 7 | 9 |
| IAB Employment Samples (IABS) | On-site use (subsequent remote data access optional) | 1 | 7 | 8 | 16 |
| IAB Employment Samples (IABS) | Scientific use file | 31 | 26 | 19 | 76 |
| Integrated Employment Biographies Sample (IEBS) | On-site use | 0 | 3 | 3 | 6 |
| Linked Employer-Employee Dataset (LIAB) | On-site use (subsequent remote data access optional) | 9 | 14 | 21 | 44 |
| Σ | | 81 | 100 | 116 | 297 |

* Total number of contracts concluded for access to social data between 2005 and 2007

Two other very important parameters are the number of cases of remote data access – here scientists send programs to the FDZ – and the number of guest stays (normally lasting several days) to the FDZ for on-site use (see Chart 1). Both figures have approximately doubled as compared to 2006 and even quadrupled or almost quintupled as compared to 2005.

Chart 1: Development of remote data access and on-site use at the FDZ



These figures may be broken down into the individual datasets (see Table 5). Here it can be seen that the LIAB has been the FDZ dataset in highest demand. Over half of all evaluations in remote data access refer to this, and a quarter to the IAB Establishment Panel. It should be emphasised that even with the Establishment History Panel (BHP) – although this was only made available in 2007 – there were 78 evaluations carried out using remote data access in 2007.

Table 5: Number of cases of remote data access by dataset

| | BAP | Establishment Panel | BHP | IABS | IEBS | LIAB | Not indicated | Total/year |
|--------------|-----------|---------------------|-----------|------------|-----------|--------------|---------------|--------------|
| 2005 | 1 | 196 | | | 6 | 155 | 1 | 359 |
| 2006 | 13 | 257 | | 26 | 11 | 370 | | 677 |
| 2007 | 55 | 368 | 78 | 79 | 34 | 713 | 1 | 1,328 |
| Total | 69 | 821 | 78 | 105 | 51 | 1,238 | 2 | |

As far as guest stays are concerned, it can be seen that the increasing number of visits is not accompanied by an increasing number of guests (see Table 6). The number of guests increased only slightly from 2006 to 2007 (from 33 to 39 guests). The average duration remained constant at three days. However, the distribution of the duration of stays changed in 2007 as compared to the two previous years. In 2007, the FDZ had many visiting researchers with very short stays from the University of Erlangen-Nuremberg and some foreign guests with longer stays, sometimes lasting over a month.

Table 6: Statistical parameters for on-site use at the FDZ

| | Number of visits* | Number of guest researchers | Average duration of visit (in days) |
|--------------|-------------------|-----------------------------|-------------------------------------|
| 2005 | 22 | 13 | 3 |
| 2006 | 71 | 33 | 3 |
| 2007 | 133 | 39 | 3 |
| Total | 226 | 85 | |

* On-site use with option of subsequent remote data access

Overall and also with respect to its development, demand is evaluated very positively. Consequently, the German Council of Science and Humanities comes to the following conclusion in its evaluation of the IAB (Report of the German Council of Science and Humanities, p. 50): *“In a short period of time, the Research Data Centre (FDZ) has developed into an indispensable service institution for the relevant German and international scientific communities, and one that is in high demand.”*

The average calculation times of programs in remote data access are listed according to the relevant dataset in Table 7. It can be very clearly seen that the LIAB that is in greatest demand has the highest average calculation time per evaluation at approximately 13.7 hours.

Table 7: Average calculation time of remote data access programs (in min.)

| | BAP | Establishment Panel | BHP | IABS | IEBS | LIAB |
|------|-----|---------------------|-----|------|------|-------|
| 2005 | 12 | 155 | | | | 723 |
| 2006 | 50 | 67 | | 678 | 81 | 1,016 |
| 2007 | 29 | 136 | 88 | 685 | 435 | 821 |

The wait for the results is mainly caused by the calculation time since the verification of the evaluations in accordance with data protection legislation is relatively fast (see Table 8).

Table 8: Average verification time of evaluation programs used for remote data access (in min.)

| | BAP | Establishment Panel | BHP | IABS | IEBS | LIAB |
|------|-----|---------------------|-----|------|------|------|
| 2005 | 60 | 31 | | | | 21 |
| 2006 | 57 | 51 | | 21 | 15 | 24 |
| 2007 | 32 | 22 | 18 | 21 | 18 | 12 |

However, these short verification times still lead to astonishingly high total numbers of hours of work, as shown in Table 9. Overall, approximately 48 working days (based on 8-hour days) were required for data protection control of evaluations using remote data access. Of course, there are some high outliers that require verification times of several days. Here it has proven worthwhile to contact users and restrict the amount of output.

Table 9: Total time required for verification of programs for remote data access (in min.)

| | BAP | Establishment Panel | BHP | IABS | IEBS | LIAB | Total/year |
|--------------|--------------|---------------------|--------------|--------------|------------|---------------|---------------|
| 2005 | 60 | 3,348 | | | | 1,440 | 4,848 |
| 2006 | 690 | 13,145 | | 535 | 165 | 8,980 | 23,515 |
| 2007 | 1,771 | 8,423 | 1,448 | 1,758 | 625 | 8,966 | 22,991 |
| Total | 2,521 | 24,916 | 1,448 | 2,293 | 790 | 19,386 | |

Thus, the FDZ is of the utmost importance to the scientific community. This is also evident from the publications produced with data of the FDZ and documented by the IAB service “Documentation and Library” in a literature database available on the Internet. To date, the following numbers of contributions by scientists have been published within and outside the IAB:⁴

- 246 with the IAB Employment Sample
- 15 with the BA Employment Panel
- 6 with the Establishment History Panel
- 82 with the Linked-Employer-Employee Dataset from the IAB
- 50 with the Integrated Employment Biographies Sample from the IAB
- 1,999 with the IAB Establishment Panel

⁴ The figures refer to all publications with the relevant dataset since the dataset first became available in the IAB. Some of the datasets were already available within and outside the IAB long before the existence of the FDZ.

4. The International FDZ

The reasons why the FDZ serves not only the national but also the international market are manifold:

- Research thrives on exchange. The perspective of the German research community is often rather narrow. Many interesting new approaches to research originate from the US, for example. Internationalisation of the FDZ means that foreign researchers now also use BA/ IAB data, allowing an exchange of experiences at international level, including about the content of the research that is only possible on the basis of data supplied by the FDZ.
- Against the background of globalisation, increasing importance is attached to internationally comparable analyses. However, only countries that make their data accessible to other countries can be included. Hence, only these countries can learn from the results of comparable analyses.
- German-speaking users of FDZ data often publish in English. Through our translation of data-related terms, we have set an example, and thus help to avoid misunderstandings.
- The FDZ has been increasingly noticed by institutions abroad (e.g. the EU, Eurostat, the US Census Bureau, Statistics Canada) over the past few months and seen positively as a high-quality data producer.

Through the internationalisation of the FDZ, the range of work carried out is expanding. On the one hand, there is the translation of documentation and of the website and, on the other hand, dealing with requests in other languages or visits by guest researchers who are not German speakers.

One important step towards internationalisation in 2007 was releasing web pages in English and having some of the data documentation translated. The aim is to make all documentation available in both German and English as far as possible. Since May 2007, the FDZ Newsletter has been sent out in English only. Great emphasis is placed on the quality of the translations, since errors can arise through non-authorised translations, which can then have a negative effect on the work of the FDZ.

Use of the FDZ by researchers abroad has increased.⁵ In 2006, the FDZ had 16 contractual partners based abroad, including two who visited as guest researchers. In 2007, we were able to count 34 contractual partners based abroad and welcomed nine guest researchers from abroad to the FDZ (see Table 10).

⁵ The categorisation of researchers abroad refers to their place of work, not to their nationality.

Table 10: Contractual partners and on-site use by researchers from abroad in 2006 and 2007 by dataset

| | LIAB | IABS | Establishment Panel | BAP | IEBS | BHP | IABS SUF |
|---|------|------|---------------------|-----|------|-----|----------|
| Contractual partners from abroad* 2006 | 2 | 9 | 5 | 0 | 0 | 0 | 5 |
| On-site use by researchers from abroad 2006 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| Contractual partners from abroad* 2007 | 7 | 10 | 5 | 1 | 2 | 1 | 8 |
| On-site use by researchers from abroad 2007 | 5 | 1 | 0 | 0 | 2 | 1 | 0 |

*Contractual partners include users and signatories of the contract. Users of several datasets are counted twice.

The increase in the number of guest researchers from abroad is a result of the availability of translations and the fact that more people are informed about FDZ data. Also, it should be noted that guest researchers from abroad can access FDZ data relatively easily. It is no more difficult for them than for researchers from Germany. Since the cost of a stay in Nuremberg for visitors from abroad is higher than it is for locals, the FDZ set up a grant in 2007. When a request is approved, the FDZ grants partial funding of the travel and/or accommodation expenses for guests from non-German-speaking countries. In 2007, four guests made use of this service. The establishment of this grant was evaluated positively by the German Council of Science and Humanities in its report:

“The IAB’s desire to further expand the FDZ and provide additional opportunities for guest researchers to work at the FDZ, partly funded by grants, is highly commendable.” (Report of the German Council of Science and Humanities, p.56).

The FDZ is networking more with research data centres in other countries. This ensures that new innovative developments can also be applied more quickly in the FDZ. These include, for example, anonymisation of datasets through multiple imputation or the further development of remote data access for real data access from remote workstations. The “Workshop on Data Access to Micro-Data”, organised in 2007 together with the Centre for Statistical Methods of the BA at the IAB, helped promote an exchange of experience by research data centres internationally. Representatives from Denmark, Germany, the UK, Canada, New Zealand, the Netherlands, Serbia and the US accepted the invitation to attend the workshop in Nuremberg.

The FDZ takes part in the EU initiative “ESSNet-SDC - A Network of Excellence in the European Statistical System in the Field of Statistical Disclosure Control”, which has the objective of devising data protection and data security measures for micro data and tables. Most partici-

pants in the project are statistical offices from other European countries (for instance, the UK, Italy, the Netherlands and Spain). This project is funded by the EU.

With representatives from over 10 EU countries, the FDZ has submitted a grant application as part of the 7th EU framework programme. In the project “European Remote Access to Statistical Information (Eurasia)”, international automatised data access (remote access), harmonised metadata (data about data) and harmonised data protection regulations for micro data, tables and evaluations are to be developed. A further aim is to obtain four years of EU funding through grants for stays by visiting researchers from abroad.

The Head of the FDZ has been appointed German representative of the Federal Ministry of Education and Research (BMBF) in the EU initiative “Comparative Analysis of Enterprise Data: Industry Dynamics, Firm Performance, and Worker Outcomes (Action IS0701)”. He is in charge of the working group “WP4: Data Quality and Data Access”.

Internationalisation of the FDZ has resulted in better research and better policy advice. Consequently, a quantitative – as well as qualitative – improvement in papers at international conferences on the basis of the BA/ IAB data may be observed. Moreover, IAB and FDZ employees have gained international recognition. Overall, internationalisation of the FDZ has led to a stronger and positive image of BA and IAB data abroad. The “brand” of BA/ IAB data is viewed positively internationally and (almost) on a par with the positive image of the German Socio-Economic Panel Study (SOEP).

The German Council of Science and Humanities also comes to a similar conclusion in its evaluation (Report of the German Council of Science and Humanities, p.55): *“The Research Data Centre (FDZ) (...) is an internationally visible, indispensable service institution, unique in Europe and a prime example to other institutions, possessing large datasets of scientific importance.”*

5. Research at the FDZ

The FDZ is primarily a service-oriented institution. For the quality of the data supply and the advisory service it is crucial, however, for FDZ employees to also carry out empirical research themselves. Only dealing with the content and evaluation options of the datasets can provide them with the sound knowledge required to give advice to users and forming the basis of the FDZ's reputation.

The FDZ's research activities are well documented through its publication record. In both 2006 and 2007, FDZ employees published a total of ten research articles. These also include two publications in top scientific journals listed in the Social Sciences Citation Index (SSCI) (see Appendix 3). This picture has been completed by numerous lectures about their research activities given in Germany and abroad (see Appendix 4).

In addition, the FDZ participates in a number of externally funded projects, co-financed by the German Research Foundation (DFG), the Federal Ministry of Education and Research (BMBF) or the Leibniz Association and carried out in cooperation with universities, research institutes or the Federal Statistical Office. Each of these externally funded projects also included funding for personnel (see Table 11 and also Table 1).

One of these externally funded projects is **Further Training as a Part of Lifelong Learning (WeLL)**. As part of WeLL, vocational further training in Germany is examined along with the process of radical demographic transformations, rapid technological changes and the associated relevance of lifelong learning. The project, co-financed by the Leibniz Association and implemented by the IAB in cooperation with the (German Institute for Economic Research) RWI Essen, the Institute for Applied Social Sciences (infas) and the German Institute for Adult Education (DIE), is subdivided into a company survey and an employee panel survey.

In the project **Business Statistical Panel Data and Factual Anonymisation (FAWE Panel)**, the goal is to considerably improve scientists' data access to panel data from official statistics offices and the Federal Employment Agency (BA). Through cooperation between the research data centres of the Federal Statistical Office and the statistical offices of the Länder and the Institute for Applied Economic Research (IAW), the objective is to

- expand the data supply for scientists with individual business statistical panels,
- optimise the analysis potential of business statistical panel data
- and research the possibility of factual anonymisation of panel data in the field of economic statistics with the aim of also making these available as scientific use files.

In cooperation with Jörg Drechsler, who is working in the IAB's Centre for Statistical Methods with funding from this project, a scientific use file of the latest wave of the establishment panels should be available in early 2009.

September 2007 marked the launch of the project **Combined Firm Data for Germany (KombiFiD)**. The aim of this project is to link for the first time company data from the statistical offices, the German Bundesbank and the BA/ IAB. The project will run for three years in cooperation with the FDZ of the Federal Statistical Office and the Institute of Economics of Leuphana University of Lüneburg. With the written agreement of the companies, their data will be merged. The objective is to make data from the FDZ of the BA and the research data centre of the Federal Statistical Office available to scientists for research purposes as of the end of 2008/ early 2009. Another goal of the project is to create a legal framework for permanent linkage of the individual data. The “KombiFiD” project is pioneering and makes it possible to study economic processes in more detail and more thoroughly than was the case with the data material previously available. The project is funded by the Federal Ministry of Education and Research (BMBF).

The FDZ is involved in two projects financed by the German Research Foundation (DFG):

1. The project **Discrepancies between Market and Firm Wages: An Analysis of Earnings and Worker Mobility (P19)** which is part of the priority programme of the German Research Foundation **Flexibility in Heterogeneous Labour Markets** – in cooperation with the RWI Essen and Columbia University.
2. The project **Analysis of Survey Nonresponse in the German Labor Force using Individual Administrative Data⁶** which is part of the priority programme of the German Research Foundation **Survey Methodology** – in cooperation with the University of Konstanz.

⁶ The grant for this project was approved in December 2007.

Table 11: Externally funded positions at the FDZ or in projects assisted by the FDZ (not including student assistants)

| Externally funded projects | Positions | Organisation/ department holding the position |
|--|-----------|--|
| FAWE | 1 0.3 | KEM (Centre for Statistical Methods of the BA at the IAB) FDZ |
| KombiFiD | 2.5 | FDZ |
| WeLL | 0.7 | FDZ |
| DFG-Flex (Flexibility in Heterogeneous Labour Markets - Research Network of the German Research Foundation (DFG)) | 0.5 | RWI Essen |
| DFG-Survey | 2*0.5 | University of Konstanz with 0.5 allocated to the FDZ. |

Appendix 1: FDZ Datenreport and Methodenreport Series 2006 – 2007

FDZ Datenreport series 2007

- Das Betriebs-Historik-Panel 1975-2005, Handbuch-Version 2.0.0, [*The Establishment History Panel 1975-2005, Handbook Version 2.0.0*], FDZ Datenreport, 04/2007 (Spengler, Anja)
- Variablen der schwach anonymisierten Version der IAB-Beschäftigten- Stichprobe 1975-2004, Handbuch-Version 1.0.1, [*Variables of the Weakly-Anonymous Version of the IAB Employment Samples, Handbook Version 1.0.1*], FDZ Datenreport, 03/2007 (Drews, Nils)
- LIAB-Datenhandbuch, Version 2.0, [*LIAB Data Handbook, Version 2.0*], FDZ Datenreport, 02/2007 (Jacobebbinghaus, Peter; Alda, Holger)
- Dokumentation des "Scientific Use Files der Integrierten Erwerbsbiographien" (IEBS-SUF V1) Version 1.0, [*Documentation of the "Scientific Use File of the Integrated Employment Biographies Sample" (IEBS SUF V1) Version 1.0*], FDZ Datenreport, 01/2007 (Zimmermann, Ralf; Kaimer, Steffen; Oberschachtsiek, Dirk)

FDZ Methodenreport series 2007

- Simple Nonparametric Estimators for Unemployment Duration Analysis, FDZ Methodenreport, 09/2007 (Wichert, Laura; Wilke, Ralf A.)
 - The Establishment History Panel, FDZ Methodenreport, 08/2007 (Spengler, Anja)
 - Neue Datenangebote in den Forschungsdatenzentren, Betriebs- und Unternehmensdaten im Längsschnitt, [*The Latest Datasets Offered by the Research Data Centres, Longitudinal Establishment Data*], FDZ Methodenreport, 07/2007 (Brandt, Maurice; Oberschachtsiek, Dirk; Pohl, Ramona)
 - Programmierbeispiele zur Aufbereitung von FDZ Personendaten in STATA, [*Preparation of Individual Data from the FDZ – Programming Examples in Stata*], FDZ Methodenreport 06/2007 (Drews, Nils; Groll, Dominik; Jacobebbinghaus, Peter)
 - KombiFiD - Kombinierte Firmendaten für Deutschland, Konzeption der Machbarkeitstudie für eine Zusammenführung von Unternehmensdaten der Statistischen Ämter, des Instituts für Arbeitsmarkt- und Berufsforschung der Bundesagentur für Arbeit und weiterer Datenproduzenten, [*KombiFiD - Combined Firm Data for Germany, Conception of the Implementation Study on the Merging of Establishment Data of the Statistical Offices, the Institute for Employment Research of the Federal Employment Agency and Other Data Producers*], FDZ Methodenreport, 05/2007 (Bender, Stefan; Wagner, Joachim; Zwick, Markus)
-

- Bounds Analysis of Competing Risks, a Nonparametric Evaluation of the Effect of Unemployment Benefits on Migration in Germany, FDZ Methodenreport, 04/2007 (Arntz, Melanie; Lo, Simon M. S.; Wilke, Ralf A.)
- On the Definition of Unemployment and its Implementation in Register Data, the Case of Germany, FDZ Methodenreport, 03/2007 (Kruppe, Thomas; Müller, Eva; Wichert, Laura; Wilke, Ralf A.)
- Neue Möglichkeiten zur Nutzung vertraulicher amtlicher Personen- und Firmendaten, *[New Ways to Utilize Confidential Official Data on Individuals and Establishments]*, FDZ Methodenreport, 02/2007 (Kaiser, Ulrich; Wagner, Joachim)
- Do Reported End Dates of Treatments Matter for Evaluation Results?, An Investigation Based on the German Integrated Employment Biographies Sample, FDZ Methodenreport, 01/2007 (Waller, Marie)

FDZ Datenreport series 2006

- Codebuch zum IAB-Betriebspanel, Version 5: Querschnitt 2003-2005 *[IAB Establishment Panel Codebook, Version 5: Cross-Section 2003-2005]* (6th revised edition), FDZ Datenreport, 06/2006 (Version 5, 6th edition) (Städele, Daniela; Müller, Dana)
 - Codebuch zum IAB-Betriebspanel, Version 4: Querschnitt 2000-2002 *[IAB Establishment Panel Codebook, Version 4: Cross-Section 2000-2002]* (6th revised edition), FDZ Datenreport, 06/2006 (Version 4, 6th edition) (Städele, Daniela; Müller, Dana)
 - Codebuch zum IAB-Betriebspanel, Version 3: Querschnitt 1997-1999 *[IAB Establishment Panel Codebook, Version 3: Cross-Section 1997-1999]* (6th revised edition), FDZ Datenreport, 06/2006 (Version 3, 6th edition) (Städele, Daniela; Müller, Dana)
 - Codebuch zum IAB-Betriebspanel, Version 2: Querschnitt 1993-1996 *[IAB Establishment Panel Codebook, Version 2: Cross-Section 1993-1996]* (6th revised edition), FDZ Datenreport, 06/2006 (Version 2, 6th edition) (Städele, Daniela; Müller, Dana)
 - Codebuch zum IAB-Betriebspanel, Version 1: Längsschnitt 1993-2005 *[IAB Establishment Panel Codebook, Version 1: Longitudinal Section 1993-2005]* (6th revised edition), FDZ Datenreport, 06/2006 (Version 1, 6th edition) (Städele, Daniela; Müller, Dana)
 - BA-Beschäftigtenpanel 1998-2005, Codebuch Anlageband, *[BA Employment Panel 1998-2005, Appendix to the Codebook]*, FDZ Datenreport, 05/2006 (Appendix) (Schmucker, Alexandra; Seth, Stefan)
 - BA-Beschäftigtenpanel 1998-2005, Codebuch, *[BA Employment Panel 1998-2005, Codebook]*, FDZ Datenreport, 05/2006 (Schmucker, Alexandra; Seth, Stefan)
 - Beschreibung der Merkmale aus den Personendatenbanken IEBS, IABS und LIAB, Version 1.0, Handbuch-Version 1.0.0, FDZ Datenreport, 04/2006 (Dundler, Agnes)
 - Description of the Person-Related Variables From the Datasets IEBS, IABS and LIAB, Version 1.0, Handbook version 1.0.0, FDZ Datenreport, 04/2006 (Dundler, Agnes)
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- The Establishment History Panel BHP 1.0 , Handbook Version 1.0.0, FDZ Datenreport, 03/2006 (Dundler, Agnes; Stamm, Melanie; Adler, Silke)
- Das Betriebs-Historik-Panel BHP 1.0, Handbuch-Version 1.0.0, FDZ Datenreport, 03/2006 (Dundler, Agnes; Stamm, Melanie; Adler, Silke)
- Ergänzungsband zum FDZ-Datenreport 02/2006 , Erweiterung um die Welle 2005, [*Appendix to the FDZ Datenreport 02/2006 Extended by Wave 2005*], FDZ Datenreport, 02/2006 (Städele, Daniele; Müller, Dana; Ohlert, Clemens)
- Aufbereitung eines Paneldatensatzes aus den Querschnittsdaten des IAB-Betriebspanels, [*Development of a Panel Dataset from the IAB Establishment Panel Cross-Sectional Data*], FDZ Datenreport, 02/2006 (Alda, Holger; Dundler, Agnes; Müller, Dana; Spengler, Anja)
- Variablen der schwach anonymisierten Version der IAB-Beschäftigtenstichprobe 1975-2001, Handbuch-Version 1.0.1, [*Variables of the Weakly-Anonymous Version of the IAB Employment Samples 1975-2001, Handbook Version 1.0.1*], FDZ Datenreport, 01/2006 (Drews, Nils; Hamann, Silke; Köhler, Markus; Krug, Gerhard; Wübbecke, Christina)

FDZ Methodenreport series 2006

- Qualitätsverbesserung der Bildungsvariable in der IAB-Beschäftigtenstichprobe 1975-2001, [*Upgrading of the Qualification Variable of the IAB Employment Samples 1975-2001*], FDZ Methodenreport, 05/2006 (Drews, Nils)
 - Überschneidungen in der IEBS: Deskriptive Auswertung und Interpretation, [*Overlaps in the IEBS: Descriptive Analysis and Interpretation*], FDZ Methodenreport, 04/2006 (Bernhard, Sarah; Dressel, Christian; Fitzenberger, Bernd; Schnitzlein, Daniel; Stephan, Gesine)
 - Using Stata for a Memory Saving Fixed Effects Estimation for the Three-Way Error Component Model, FDZ Methodenreport, 03/2006 (Cornelißen, Thomas)
 - Beantwortung des Fragenkatalogs der Leibnitz-Gemeinschaft für die Evaluation des Forschungsdatenzentrums der BA im IAB, [*Answers to the Questions from the Leibniz Association to Evaluate the Research Data Centre of the BA at the IAB*], FDZ Methodenreport, 02/2006 (Bender, Stefan; Alda, Holger; Drews, Nils; Herrlinger, Dagmar; Jacobebbinghaus, Peter; Müller, Dana; Schmucker, Alexandra; Seth, Stefan)
 - Area Interpolation in Presence of Measurement Error and an Application to German Administrative Data, FDZ Methodenreport, 01/2006 (Arntz, Melanie; Wilke, Ralf A.)
-

Appendix 2: Lectures on the FDZ and its Datasets – 2006 and 2007

Lectures on the FDZ and its datasets 2007

| Lecturer | Title |
|------------------------|---|
| Bender, Stefan | "Providing Access to Microdata: The German Experience", at: "Research Data Centres: Experiences in Canada and Germany", Gesellschaft Sozialwissenschaftlicher Infrastruktureinrichtungen e.V. – GESIS-ZA Central Archive for Empirical Social Research, Cologne, 11/12/07. |
| Bender, Stefan | "The Other Side of the Labor Market: The Importance of Access to Business Data in Policy Making", at: "Twenty-Ninth Annual APPAM Research Conference", Association for Public Policy Analysis and Management, Washington DC, 10/11/07. |
| Spengler, Anja | "Das Forschungsdatenzentrum der Bundesagentur für Arbeit im Institut für Arbeitsmarkt- und Berufsforschung", FDZ, Nuremberg, 30/10/07. |
| Schmucker, Alexandra | "Einführung in das Arbeiten mit dem BA-Beschäftigtenpanel", at: "Einführung in das Arbeiten mit dem BA-Beschäftigtenpanel", FDZ, Nuremberg, 26/10/07. |
| Huber, Martina | "Einführung in das Arbeiten mit dem BA-Beschäftigtenpanel", at: "Einführung in das Arbeiten mit dem BA-Beschäftigtenpanel", FDZ, Nuremberg, 26/10/07. |
| Bender, Stefan | "Forschungsdatenzentrum der BA im IAB", at: "Dateninfrastruktur, Forschung, Politikberatung", German Institute for Economic Research (DIW) and the Federal Statistical Office and the statistical Offices of the Länder, Berlin, 21/06/07. |
| Oberschachtsiek, Dirk | "Der Schritt in eine neue Dimension: Gemeinsame Betriebsdaten der Statistischen Ämter und des IAB", at: "Betriebs- und Unternehmensdaten im Längsschnitt. Neue Datenangebote und ihre Forschungspotentiale - Nutzerkonferenz des Projekts Wirtschaftsstatistische PanelDaten und faktische Anonymisierung", Institute for Applied Economic Research (IAW) & Research Data Centre of the BA at the IAB and the Federal Statistical Office and the statistical Offices of the Länder, Tübingen, 15/06/07. |
| Bender, Stefan | "Forschungsdatenzentrum der BA im IAB", at: "Evaluation des IAB", Institute for Employment Research (IAB), Nuremberg, 26/04/07. |
| Drews, Nils | "Vorstellung des Forschungsdatenzentrums (FDZ) der BA im IAB", at: "Mitarbeitertreffen", Federal Statistical Office and the statistical Offices of the Länder, Düsseldorf, 25/04/07. |
| Bender, Stefan | "Kombinierte Firmendaten für Deutschland (KombiFiD) - Zusammenführung von Mikrodaten der Statistischen Ämter, des Instituts für Arbeitsmarkt- und Berufsforschung und weiterer Datenproduzenten", at: Centre for European Economic Research, DFG priority programme, Mannheim, 29/03/07. |
| Bender, Stefan | "Forschungsdatenzentrum der BA im IAB", at: "Evaluation des IAB: Vorstellung des IAB vor dem Wissenschaftlichem Beirat", Institute for Employment Research (IAB), Nuremberg, 21/03/07. |
| Bender, Stefan | "The Linked Employer Employee Data of the IAB: What is it and how can I get the data?", at: "2nd WORKS workshop on Measuring changes in work by organisation surveys", Higher Institute of Labour Studies (HIVA) of the Catholic University of Leuven, Leuven, 19/03/07. |
| Schmucker, Alexandra | "Datenangebot des Forschungsdatenzentrums (FDZ) der BA im IAB", at: "Nachwuchsworkshop des Rat für Sozial- und Wirtschaftsdaten", German Council for Social and Economic Data (RatSWD), Nuremberg, 13/03/07. |
| Jacobebbinghaus, Peter | "Einführung in Stata", at: "Nachwuchsworkshop des Rats für Sozial- und Wirtschaftsdaten", German Council for Social and Economic Data (RatSWD), Nuremberg, 12/03/07. |

| Lecturer | Title |
|----------------|--|
| Drews, Nils | "Einführung in Stata", at: "Nachwuchsworkshop des Rats für Sozial- und Wirtschaftsdaten", German Council for Social and Economic Data (RatSWD), Nuremberg, 12/03/07. |
| Bender, Stefan | "Der Linked Employer Employee Datensatz des IAB: Vorstellung, Analysepotentiale und Zugangsmöglichkeiten", at: "Der Linked Employer Employee Datensatz des IAB", Austrian Statistical Society, Vienna, 22/02/07. |

Lectures on the FDZ and its datasets 2006

| Lecturer | Title |
|------------------------|--|
| Bender, Stefan | "Neue Entwicklungen des FDZ der BA im IAB", at: "2. Nutzerkonferenz zu den Daten der BA und des IAB", IAB/FDZ, Nuremberg, 09/12/06. |
| Schmucker, Alexandra | "Darstellung der rechtlichen Grundlagen und Möglichkeiten des Datenzugangs im FDZ", at: "IEBS-Workshop - Einführung in das Arbeiten mit den Personendaten der BA und des IAB", FDZ, Nuremberg, 07/12/06. |
| Jacobebbinghaus, Peter | "Schritte der Datenaufbereitung als Kochrezept: Beispiel Betriebszugehörigkeitsdauer", at: "IEBS-Workshop - Einführung in das Arbeiten mit den Personendaten der BA und des IAB", FDZ, Nuremberg, 07/12/06. |
| Jacobebbinghaus, Peter | "Kennenlernen der IEBS am PC", at: "IEBS-Workshop - Einführung in das Arbeiten mit den Personendaten der BA und des IAB", FDZ, Nuremberg, 06/12/06. |
| Schmucker, Alexandra | "Darstellung der Datengenese der Personendaten im FDZ", at: "IEBS-Workshop - Einführung in das Arbeiten mit den Personendaten der BA und des IAB", FDZ, Nuremberg, 06/12/06. |
| Bender, Stefan | "Das Forschungsdatenzentrum der BA im IAB", at: "Daten zu Arbeitsmarkt und Beschäftigung - das aktuelle Datenangebot des Forschungsdatenzentrums der Bundesagentur für Arbeit/Institut Arbeitsmarktforschung (FDZ-BA/IAB)", Social Science Research Center Berlin (WZB), Berlin, 13/11/06. |
| Müller, Dana | "Das BA-Beschäftigtenpanel und weitere Daten des FDZ der BA im IAB", at: "Dritter Workshop des FDZ-RV", The Research Data Centre of the German Pension Insurance (FDZ-RV), Bensheim, 28/06/06. |
| Schmucker, Alexandra | "Das BA-Beschäftigtenpanel und weitere Daten des FDZ der BA im IAB", at: "Dritter Workshop des FDZ-RV", The Research Data Centre of the German Pension Insurance (FDZ-RV), Bensheim, 28/06/06. |
| Bender, Stefan | "Das Forschungsdatenzentrum der BA im IAB", at: "Forschungskolloquium", University of Aachen, Aachen, 30/05/06. |
| Bender, Stefan | "Das Forschungsdatenzentrum der BA im IAB", at: Deutsche Bundesbank, Frankfurt/ Main, 26/05/06. |
| Bender, Stefan | "Das Forschungsdatenzentrum der BA im IAB", at: "Vorlesung bei Regina Riphahn", University of Erlangen-Nuremberg, Nuremberg, 17/05/06. |
| Müller, Dana | "Datenverfügbarkeit und Datenzugang am FDZ der BA im IAB", at: "Vorstellung des Forschungsdatenzentrums", Prof. Dr. Rainer Winkelmann, Socioeconomic Institute Statistics and Empirical Economics Research Group, University of Zurich, Zurich, 10/05/06. |
| Seth, Stefan | "Datenbereitstellung am Beispiel des BA-Beschäftigtenpanels", at: "Evaluation des FDZ der BA im IAB", FDZ, IAB, 21/04/06. |
| Jacobebbinghaus, Peter | "Datenzugang und Datenschutz", at: "Evaluation des FDZ", FDZ, Nuremberg, 21/04/06. |

| Lecturer | Title |
|------------------------|--|
| Alda, Holger | "Die linked employer-employee Daten des IAB, LIAB, im Forschungsdatenzentrum der Bundesagentur für Arbeit im IAB", at: "Evaluation des FDZ ", IAB, Nuremberg, 21/04/06. |
| Schmucker, Alexandra | "FDZ-Homepage", at: "Evaluation des FDZ der BA im IAB", FDZ, Nuremberg, 21/04/06. |
| Schmucker, Alexandra | "Nutzerbefragungen und Kundenzufriedenheit", at: "Evaluation des FDZ der BA im IAB", FDZ, Nuremberg, 21/04/06. |
| Drews, Nils | "Die Personendaten des Forschungsdatenzentrums der Bundesagentur für Arbeit im Institut für Arbeitsmarkt- und Berufsforschung", at: "Evaluation des FDZ der BA im IAB", IAB/FDZ, Nuremberg, 21/04/06. |
| Bender, Stefan | "Das Forschungsdatenzentrum der BA im IAB", at: "Evaluation des FDZ der BA im IAB", IAB/FDZ, Nuremberg, 21/04/06. |
| Müller, Dana | "IAB-Betriebspanel", at: "Evaluation des Forschungsdatenzentrum der BA im IAB", Research Data Centre (FDZ) of the BA at the IAB, Nuremberg, 21/04/06. |
| Müller, Dana | "Dokumentation und FDZ-Reihen", at: "Evaluation des Forschungsdatenzentrum der BA im IAB", Research Data Centre (FD) of the BA at the IAB, Nuremberg, 21/04/06. |
| Bender, Stefan | "Das Forschungsdatenzentrum der BA im IAB", at: "RWI-Kolloquium", economic research institute RWI Essen, Essen, 06/04/06. |
| Drews, Nils | "Bereinigung ausgewählter Variablen in der IEBS", at: "IEBS-Workshop - Einführung in das Arbeiten mit den Personendaten der BA und des IAB", FDZ, Nuremberg, 24/03/06. |
| Schmucker, Alexandra | "Darstellung der rechtlichen Grundlagen und Möglichkeiten des Datenzugangs im FDZ", at: "IEBS-Workshop - Einführung in das Arbeiten mit den Personendaten der BA und des IAB", FDZ, Nuremberg, 24/03/06. |
| Jacobebbinghaus, Peter | "Schritte der Datenaufbereitung als Kochrezept: Beispiel Betriebszugehörigkeitsdauer ", at: "IEBS-Workshop - Einführung in das Arbeiten mit den Personendaten der BA und des IAB", FDZ, Nuremberg, 24/03/06. |
| Jacobebbinghaus, Peter | "Kennenlernen der IEBS am PC", at: "IEBS-Workshop - Einführung in das Arbeiten mit den Personendaten der BA und des IAB", FDZ, Nuremberg, 23/03/06. |
| Schmucker, Alexandra | "Darstellung der Datengenese der Personendaten im FDZ", at: "IEBS-Workshop - Einführung in das Arbeiten mit den Personendaten der BA und des IAB", FDZ, Nuremberg, 23/03/06. |
| Drews, Nils | "Bereinigung ausgewählter Variablen der IEBS", at: "IEBS-Workshop - Einführung in das Arbeiten mit den Personendaten der BA und des IAB", FDZ, Nuremberg, 21/03/06. |
| Jacobebbinghaus, Peter | "Schritte der Datenaufbereitung als Kochrezept: Beispiel Betriebszugehörigkeitsdauer ", at: "IEBS-Workshop - Einführung in das Arbeiten mit den Personendaten der BA und des IAB", FDZ, Nuremberg, 21/03/06. |
| Schmucker, Alexandra | "Darstellung der rechtlichen Grundlagen und Möglichkeiten des Datenzugangs im FDZ", at: "IEBS-Workshop - Einführung in das Arbeiten mit den Personendaten der BA und des IAB", FDZ, Nuremberg, 21/03/06. |
| Schmucker, Alexandra | "Darstellung der Datengenese der Personendaten im FDZ", at: "IEBS-Workshop - Einführung in das Arbeiten mit den Personendaten der BA und des IAB", FDZ, Nuremberg, 20/03/06. |
| Jacobebbinghaus, Peter | "Kennenlernen der IEBS am PC", at: "IEBS-Workshop - Einführung in das Arbeiten mit den Personendaten der BA und des IAB", FDZ, Nuremberg, 20/03/06. |

| Lecturer | Title |
|------------------------|---|
| Drews, Nils | "Bereinigung ausgewählter Variablen der IEBS", at: "IEBS-Workshop - Einführung in das Arbeiten mit den Personendaten der BA und des IAB", FDZ, Nuremberg, 22/02/06. |
| Schmucker, Alexandra | "Darstellung der rechtlichen Grundlagen und Möglichkeiten des Datenzugangs im FDZ", at: "IEBS-Workshop - Einführung in das Arbeiten mit den Personendaten der BA und des IAB", FDZ, Nuremberg, 22/02/06. |
| Jacobebbinghaus, Peter | "Schritte der Datenaufbereitung als Kochrezept: Beispiel Betriebszugehörigkeitsdauer", at: "IEBS-Workshop - Einführung in das Arbeiten mit den Personendaten der BA und des IAB", FDZ, Nuremberg, 22/02/06. |
| Schmucker, Alexandra | "Darstellung der Datengenese der Personendaten im FDZ", at: "IEBS-Workshop - Einführung in das Arbeiten mit den Personendaten der BA und des IAB", FDZ, Nuremberg, 21/02/06. |
| Jacobebbinghaus, Peter | "Kennenlernen der IEBS am PC", at: "IEBS-Workshop - Einführung in das Arbeiten mit den Personendaten der BA und des IAB", FDZ, Nuremberg, 21/02/06. |
| Müller, Dana | "Mikrodaten der Arbeitsmarkt- und Berufsforschung. Das Forschungsdatenzentrum der BA im IAB stellt sich vor", at: "Mikrodaten der Arbeitsmarkt- und Berufsforschung. Das Forschungsdatenzentrum der BA im IAB stellt sich vor", PD Dr. Stefan Liebig, Institute of Sociology at the University of Trier, Trier, 31/01/06. |

Appendix 3: FDZ Publications

FDZ Publications 2007:

| Author(s) | Title | Type/ Medium |
|--|--|--|
| Bauer, Thomas K.; Bender, Stefan; Bonin, Holger | Dismissal protection and worker flows in small establishments. In: <i>Economica</i> , Vol. 74, No. 296, pp. 804-821. | Referenced SSCI journal article |
| Bender, Stefan; Huber, Martina; Schmucker, Alexandra | Projektbeschreibung "Berufliche Weiterbildung als Bestandteil lebenslangen Lernens - Theoretische und empirische Analysen" (WeLL, IAB Project No. 917). In: Institute for Employment Research (IAB), Nuremberg (ed.), <i>Fachkräftebedarf der Wirtschaft. Materialsammlung C: Ansatzpunkte für Therapien</i> , Nuremberg, 2 pages. | Article in collected editions |
| Bender, Stefan; Koch, Susanne; Meßmann, Susanne; Walwei, Ulrich | Konzessionsbereitschaft: Was muten sich (Langzeit-) Arbeitslose zu? In: <i>IAB Forum</i> , No. 1, pp. 42-48. | Non-referenced journal article |
| Bender, Stefan; Koch, Susanne; Meßmann, Susanne; Walwei, Ulrich | Was muten sich Arbeitslose zu? Lohnkonzessionen von ALG-II-Empfängern. (IAB Discussion Paper, 23/2007), Nuremberg, 40 pages. | IAB Discussion Paper |
| Drechsler, Jörg; Dundler, Agnes; Bender, Stefan; Rässler, Susanne; Zwick, Thomas | A new approach for disclosure control in the IAB Establishment Panel. Multiple imputation for a better data access. (IAB Discussion Paper, 11/2007), Nuremberg, 31 pages. | IAB Discussion Paper |
| Jacobebbinghaus, Peter; Seth, Stefan | The German integrated employment biographies sample IEBS. In: <i>Schmollers Jahrbuch. Zeitschrift für Wirtschafts- und Sozialwissenschaften</i> , Vol. 127, No. 2, pp. 335-342. | Referenced article in other learned journals |
| Müller, Dana | Der Traum einer kontinuierlichen Beschäftigung. Erwerbsunterbrechungen bei Männern und Frauen. In: M. Szydlik (ed.), <i>Flexibilisierung. Folgen für Arbeit und Familie, (Sozialstrukturanalyse)</i> , Wiesbaden: VS Verlag für Sozialwissenschaften, pp. 47-67. | Article in collected editions |
| Müller, Dana; Schmucker, Alexandra | Das BA-Beschäftigtenpanel und weitere Daten des FDZ der BA im IAB. In: Deutsche Rentenversicherung Bund, Berlin (ed.), <i>Erfahrungen und Perspektiven. Bericht vom dritten Workshop des Forschungsdatenzentrums der Rentenversicherung (FDZ-RV) vom 26. bis 28. Juni 2006 in Bensheim</i> , (DRV publications, 55/2006), Bad Homburg: Wdv Gesellschaft für Medien und Kommunikation, pp. 97-115. | Article in collected editions |
| von Wachter, Till; Bender, Stefan | Do initial conditions persist between firms? An analysis of firm-entry cohort effects and job losers using matched employer-employee data (forthcoming). In: S. Bender, J. Lane, K. Shaw, F. Andersson & T. von Wachter (ed.), forthcoming, Cambridge. | Article in collected editions |
| von Wachter, Till; Bender, Stefan | Do initial conditions persist between firms? An analysis of firm-entry cohort effects and job losers using matched employer-employee data. (IAB Discussion Paper, 19/2007), Nuremberg, 43 pages. | IAB Discussion Paper |

FDZ Publications 2006:

| Author(s) | Title | Type/ Medium |
|--|---|---|
| Avenarius, Hermann; Baethge, Martin; Döbert, Hans; Hetmeier, Heinz-Werner; Klieme, Eckhard; Meister- Scheufelen, Gisela; Rauschenbach, Thomas; Wolter, Andrä; Alda, Holger; Biersack, Wolfgang; Dietrich, Hans | Bildung in Deutschland. Ein indikatoren-gestützter Bericht mit einer Analyse zu Bildung und Migration. Bielefeld: Bertelsmann, 330 pages. | Monograph |
| Beblo, Miriam; Bender, Stefan; Wolf, Elke | The wage effects of entering motherhood. A within-firm matching approach. (ZEW Discussion Paper, 06-053), Mannheim, 30 pages. | Discussion Paper (not including IAB Discussion Pa- pers) |
| Beblo, Miriam; Bender, Stefan; Wolf, Elke | The wage effects of entering motherhood. A within-firm matching approach. (IAB Discussion Paper, 13/2006), Nuremberg, 44 pages. | IAB Discussion Paper |
| Bender, Stefan; Drechsler, Jörg; Dundler, Agnes; Rässler, Susanne; Zwick, Thomas | A new approach for disclosure control in the IAB establishment panel. Multiple imputation for a better data access. (United Nations, Economic Commission for Europe. Working paper, 18), New York, 18 pages. | Discussion Paper (not including IAB Discussion Pa- pers) |
| Bender, Stefan; Koch, Susanne; Walwei, Ulrich | Transfers - Ist weniger mehr? In: IAB-Forum, No. 1, pp. 20-29. | IAB FORUM arti- cle |
| Bender, Stefan; von Wachter, Till | Entry cohort-effects at the firm level. Testing for permanent vs. temporary effects using evidence from job losers (unpublished manuscript). | Monograph |
| Dundler, Agnes; Müller, Dana | Erwerbsverläufe im Wandel: Ein Leben ohne Arbeitslosigkeit - nur noch Fiktion? (IAB Kurzbericht, 27/2006), Nuremberg, 6 pages. | IAB Kurzbericht |
| Jacobebbinghaus, Peter | Steuer-Transfer-Mikrosimulation als Instrument zur Bestimmung des Einflusses von Steuern und Transfers auf Einkommen und Arbeitsangebot einzelner Haushalte. Bielefeld, 195 pages. | Monograph |
| Promberger, Markus; Bender, Stefan | Altern und Erwerbsarbeit. Zu wenig Ältere in deutschen Betrieben. In: Arbeit und Beruf, Vol. 57, No. 5, pp. 133-136. | Non-referenced journal article |
| von Wachter, Till; Bender, Stefan | In the right place at the wrong time. The role of firms and luck in young workers' careers. In: The American Economic Review, Vol. 96, No. 5, pp. 1679-1705. | Referenced SSCI journal article |

Appendix 4: FDZ Lectures of Scientific Relevance - 2006 and 2007

Lectures of Scientific Relevance 2007

| Lecturer | Title |
|-----------------------|--|
| Oberschachtsiek, Dirk | "Regionale Strategien bei der ergänzenden Gründungsförderung. Auswirkungen auf mikroökonomische Evaluationsdesigns am Beispiel des ESF-BA-Gründercoachings.", at: "Volkswirtschaftliches Forschungskolloquium", Leuphana University of Lüneburg, Institute of Economics, Lüneburg, 31/10/07. |
| Bender, Stefan | "Do Initial Conditions Persist Between Firms? - An Analysis of Firm-Entry Cohort Effects and Job Losers using Matched Employer-Employee Data", at: "Jahrestagung des Vereins für Socialpolitik Gesellschaft für Wirtschafts- und Sozialwissenschaften", Verein für Socialpolitik Gesellschaft für Wirtschafts- und Sozialwissenschaften, Munich, 11/10/07. |
| Müller, Dana | "Erwerbsverläufe von Männern und Frauen in Westdeutschland", at: "GVG-Ausschuss Alterssicherung", Gesellschaft für Versicherungswissenschaft und -gestaltung e.V. (Association for Social Security Policy and Research), Berlin, 11/10/07. |
| Bender, Stefan | "Multiple Imputation als Methode zur Anonymisierung des IAB-Betriebspanels", at: "Jahrestagung der Deutschen Statistischen Gesellschaft, des Verbandes Deutscher Städtestatistiker und der Deutschen Gesellschaft für Demographie", Christian-Albrechts-Universität zu Kiel (CAU), Kiel, 26/09/07. |
| Bender, Stefan | "Do Initial Conditions Persist Between Firms? An Analysis of Firm-Entry Cohort Effects and Job Losers using Matched Employer-Employee Data", at: "Annual Conference EALE", Department of Economics, University of Oslo, Institute for Social Research, and the Frisch Centre, Oslo, 22/09/07. |
| Huber, Martina | "Berufliche Weiterbildung als Bestandteil lebenslangen Lernens", at: "AG Weiterbildung", Thomas Kruppe, IAB Nuremberg, 20/09/07. |
| Bender, Stefan | "Do Initial Conditions Persist Between Firms? An Analysis of Firm-Entry Cohort Effects and Job Losers using Matched Employer-Employee Data", at: "European meeting of the European Economic Association and the Econometric Society (EEA/ESEM)", The Central European University (CEU) and the Hungarian Academy of Sciences (HAS), Budapest, 30/08/07. |
| Bender, Stefan | "Diskussion zum Vortrag von: John Abowd "Synthetic Data for Analyzing Retirement Policies", von Paul Williamson "Synthetic Microdata For Small Areas" und von Luisa Fanconi and Silvia Poletini "Istat's Experience with Synthetic Data", at: "Promises and Realities of Synthetic Data IAOS Session at the ISI Meeting", International Statistical Institute (ISI), Lissabon, 27/08/07. |
| Bender, Stefan | "Do initial conditions persist between firms? An analysis of firm-entry cohort effects and job losers using matched employer-employee data.", at: "The 14th International Conference on Panel Data", The Wang Yanan Institute for Studies in Economics (WISE), Xiamen University, Xiamen, 16/07/07. |
| Müller, Dana | "Re-entering the labour market after childbirth - Analysis of mother's occupational prestige (Poster)", at: "Expected and Unexpected Consequences of the Educational Expansion", University of Bern, Monte Verità, Ascona, 12/07/07. |
| Oberschachtsiek, Dirk | "Coaching and Training for the self-employed - does it affect survival. Evaluating a nationwide promotion program", at: "Doctoral Seminar in Empirical Economics", department for empirical economic research. University of Tübingen, Tübingen, 06/07/07. |
| Oberschachtsiek, Dirk | "Der "Jack-of-all-Trades-Ansatz" bei Erwartungsnutzen - soft facts versus hard facts", at: "Volkswirtschaftliches Forschungskolloquium", Institute of Economics. University of Lüneburg, Lüneburg, 27/06/07. |

| Lecturer | Title |
|------------------------|--|
| Bender, Stefan | "Do initial conditions persist between firms? An analysis of firm-entry cohort effects and job losers using matched employer-employee data.", at: "European Society for Population Economics", University of Illinois at Chicago, Chicago, 15/06/07. |
| Oberschachtsiek, Dirk | "Self-Employment Training & Coaching. Regional Patterns and Effect Heterogeneity - Evidence for Germany", at: "2007 Babson College Entrepreneurship Research Conference", Babson College & IE Business School, Madrid, 09/06/07. |
| Jacobebbinghaus, Peter | "Two Issues on Remote Data Access", at: "German Stata User Conference", economic research institute RWI Essen, Essen, 02/04/07. |
| Oberschachtsiek, Dirk | "Erste Evaluationsergebnisse zum ESF-BA-Coaching. Sonderauswertungen für Gründungen aus dem Kieler Raum", at: "Netzwerktreffen", network for business start-ups at Kiel, CCI Kiel, 06/03/07. |
| Oberschachtsiek, Dirk | "Lazear's "Entrepreneurship" im Test bei Erwartungsnutzen", at: "10. Personalökonomisches Kolloquium", Faculty of Economics and Business Administration, department for Personnel and Organisation, University of Tübingen, Tübingen, 01/03/07. |

Lectures of Scientific Relevance 2006

| Lecturer | Title |
|------------------------|---|
| Müller, Dana | "Der unerreichbare Traum einer kontinuierlichen Beschäftigung - Erwerbsunterbrechungen von Männern und Frauen und ihre Wirkung auf den weiteren Erwerbsverlauf", at: "33. Kongress der Deutschen Gesellschaft für Soziologie", German Sociological Society (DGS), Kassel, 10/10/06. |
| Drews, Nils | "Long-term effects of unemployment on worker's careers", at: "Die Natur der Gesellschaft", 33rd congress of the German Sociological Society (DGS), Kassel, 10/10/06. |
| Bender, Stefan | "Entry Cohort-Effects at the Firm Level: Testing for Permanent vs. Temporary Effects using Evidence from Job Losers", at: "The 2006 International Comparative Analysis of Enterprise (micro) Data (CAED) Conference", U.S. Census Bureau, Chicago, 19/09/06. |
| Jacobebbinghaus, Peter | "Welche Betriebe beschäftigen geförderte Arbeitnehmer?", at: "Statistische Woche", German Statistical Society (DStatG), Dresden, 19/09/06. |
| Müller, Dana | "The unattainable dream of continuous employment in Germany – breaks in employment concerning men and women and their effects on the further course of employment", at: "Prospects for Quality of Life in the New Millennium (7. Conference of ISQOLS)", International Society for Quality-of-Life Studies (ISQOLS), Grahamstown, 20/07/06. |
| Bender, Stefan | "In the Right Place at the Wrong Time: The Role of Firms and Luck in Young Workers Careers", at: "Kolloquium des Instituts für Volkswirtschaftslehre einschließlich Ökonometrie", University of Regensburg, Regensburg, 07/06/06. |
| Müller, Dana | "Der unerreichbare Traum einer kontinuierlichen Beschäftigung - Erwerbsunterbrechungen von Männern und Frauen und ihre Wirkung auf den weiteren Erwerbsverlauf", at: "Flexibilisierung - Folgen für Familie und Sozialstruktur", gemeinsame Tagung der Sektionen "Familiensoziologie" and "Soziale Ungleichheit", University of Zurich, Institute of Sociology, Zurich, 12/05/06. |
| Bender, Stefan | "In the Right Place at the Wrong Time: The Role of Firms and Luck in Young Workers Careers", at: "LoWER Annual Conference 2006", Aarhus School of Business, Sandbjerg (DK), 29/04/06. |

| Lecturer | Title |
|----------------|--|
| Bender, Stefan | "In the Right Place at the Wrong Time: The Role of Firms and Luck in Young Workers Careers", at: "Wage Growth and Mobility: Micro-, Macro- and intergenerational Evidence", Centre of European Economic Research, ZEW, Mannheim, 25/03/06. |
| Alda, Holger | "Wages and Labour Mobility in the West German Private Sector 1993, 1995 and 2000", at: "Wage Growth and Mobility: Micro-, Macro- and intergenerational Evidence", Centre of European Economic Research, ZEW, Mannheim, 25/03/06. |
| Bender, Stefan | "In the Right Place at the Wrong Time: The Role of Firms and Luck in Young Workers Careers", at: "Workshop on the Use and Analysis of Employer-Employee Data", Institute for Social Research, Oslo, 09/01/06. |

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