

BERD
@NFDI

7th bwHPC Symposium

BERD Desktop: A secure environment for accessing and analyzing sensitive data

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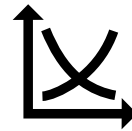


Business



&

Economic



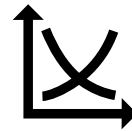
Research Data

Business



&

Economic



Research Data

- BERD Desktop for sensitive data

Developing Infrastructure

- Interactive Virtual Assistant (iVA)
- Course (series): „Data Literacy Snacks“ and „Good Practices for Managing Data“

Training & Consultation

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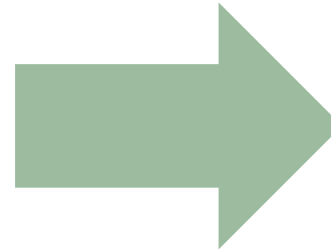
Data Sources

- Mannheim Web Panel
- Open Big Data Directory
- Wikibase Knowledge Graph

Linking Data

- Reconciliation Services
- Named Entity Linking

company	exp_b2b	exp_b2c	rev_b2b
BASF SE	2,4	0,8	5,3
SAP SE	1,5	0,1	3,1
BAYER AG	4,5	1,2	1,1

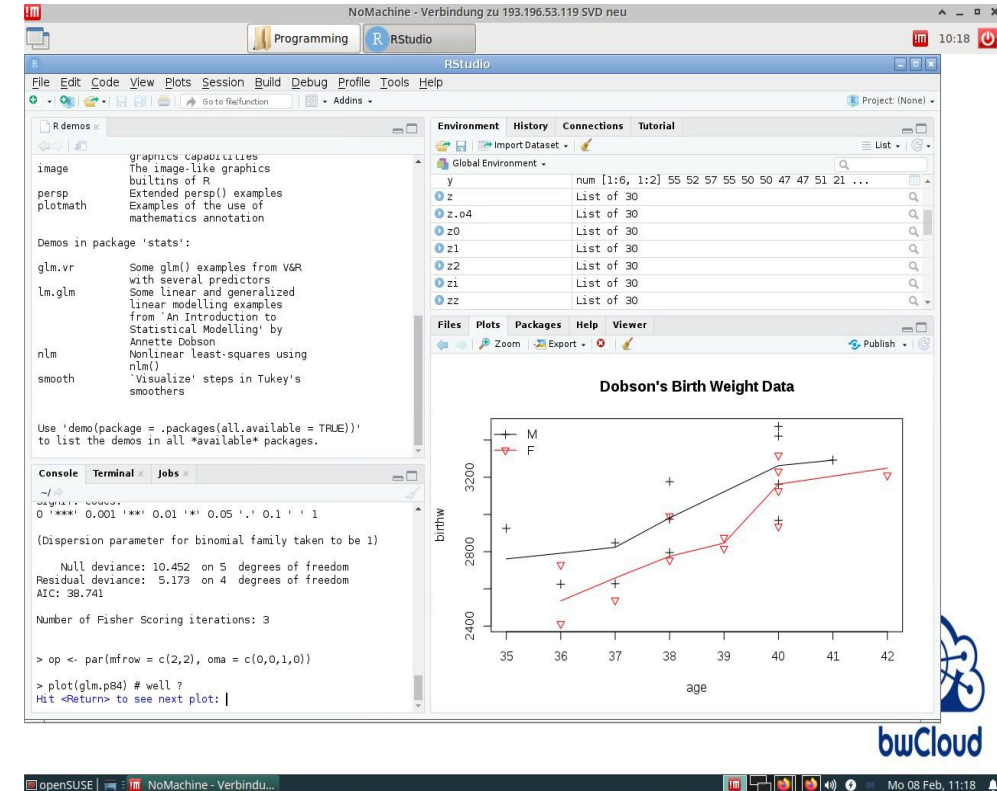


Sensitive data from/about individuals or firms

Standard solution:
On-site guest work station
(or no sharing at all)



- Provide the data and data analysis tools through a secure remote environment → BERD Desktop
- Virtual Machine on bwCloud
 - Most common analysis tools / frameworks in business & economics installed (RStudio, Python, Stata)
 - Sensitive data is provided
 - Access via remote desktop
 - Configuration to prevent data extraction
 - Organizational measures
 - Data administrator
 - Data sharing agreement



Thank You

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