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# GERMAN LANGUAGE *OER* FOR SOCIAL SCIENCE METHODS EDUCATION

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The following materials were compiled during the research done for Work Package 5 of the Project:  
**“Digitize! Computational Social Sciences in der digitalen und sozialen Transformation”**

See → <https://digitize-transformation.at/>

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**Aim and Scope of the Documentation:**

This document contains the corpus of identified OER as well as OER-like on social science research methods in the German language and the used codes to classify the identified resources. This document is provided for secondary use as well as expansion and revision.

The collection and classification of the corresponding OER and OER-like was last updated in August 2021 and has to be discussed accordingly. OER and OER-like that were created later or were offline during data collection are not included.

The codings provided are only covering content-based aspects and not feature e.g. like license framework or opportunity to comment and discuss.

| Information on coding         | Definition  | Example  | Link to Example Source   |
|-------------------------------|---|--|--|
| <p><b>Data Collection</b></p> | <p>This concerns all OER or OER-like that include information on collecting empirical data, no matter if quantitative, qualitative or mixed. This may include information on sampling, recruiting, structuring etc.</p> | <p>Excerpt taken from the intro to the section "Datenerhebung" (Datacollection) at the "Methodenportal" of the University of Leipzig: "Diese Rubrik versammelt Hinweise, wie Daten für die wissenschaftliche Analyse gewonnen werden können. Welches Verfahren der Datenerhebung sinnvoll ist, ist nicht pauschal zu entscheiden. Und auch nicht, mit welcher Methode welches Datenmaterial am besten ausgewertet werden kann. Klar ist nur, dass Daten, die mit standardisierten Methoden wie Fragebogen oder Messungen gewonnen wurden, nur bedingt zur rekonstruktiven Betrachtung einladen. So oder so aber gilt: Die Art und Weise, wie Daten gewonnen und ausgewertet werden, ist elementar für das Forschungsprojekt und bestimmt maßgeblich die Aussagekraft und Reichweite der Untersuchung."</p> | <p><a href="https://home.uni-leipzig.de/methodenportal/erhebung/">https://home.uni-leipzig.de/methodenportal/erhebung/</a></p> |

| Quantitative Methods |  |  |   |
|----------------------|--|--|---|
| Beginner             | Basic information on quantitative analysis - mostly descriptive statistics (e.g., basic measures, levels of measurement) and content that deals with the introduction to inference-based statistics.           | Example taken from the section on data analysis by the KU Eichstätt: "Es gibt verschiedene Möglichkeiten der Angabe von Häufigkeiten:<br>Absolute Häufigkeit = Anzahl der Elemente mit einer bestimmten Merkmalsausprägung<br>Relative Häufigkeit = Anteil der Elemente mit einer bestimmten Merkmalsausprägung in Beziehung zu allen Merkmalen"   | <a href="https://eo-vmw-jwpa.ku.de/journalistik/methoden/datenauswertung/quantitative-auswertung/haeufigkeiten/">https://eo-vmw-jwpa.ku.de/journalistik/methoden/datenauswertung/quantitative-auswertung/haeufigkeiten/</a> |
| Intermediate         | The methods like exploratory factor analysis (including Principal Component Analysis) and regression analysis (linear or ordinal).   | A coding example for this can be found at the platform <i>Methodenberatung Uni Zurich</i> (method consultation Zurich university) provides a clickable image of a decision tree, containing different methods of quantitative data analysis. Under the branch "Zusammenhänge" (associations) there is a list containing "einfache Regression," multiple Regression" and "logistische Regression" (simple, multiple and logistic regression) and under the branch "Interdependenzanalyse" factor analysis is listed. A click on those methods provides articles about the methods and how to use them in the software SPSS. „Die Faktorenanalyse fasst Gruppen von intervallskalierten Variablen zu aussagekräftigen und voneinander möglichst unabhängigen Faktoren zusammen.“ | <a href="https://www.methodenberatung.uzh.ch/de/datenanalyse_spss.html">https://www.methodenberatung.uzh.ch/de/datenanalyse_spss.html</a>   |
| Expert               | This includes advanced quantitative methods that demand a familiarity with factor analysis, regression and data handling. Examples for codes are confirmatory factor analysis or structural equation modeling. | An example for this code is a recorded lecture of the series from 2009 of the platform mobile lecture among other methods the confirmatory factor analysis. "Die Vorlesung zeigt einen detaillierten Einblick in die Faktorenanalyse - Konfirmatorische Faktorenanalyse 20. LISREL-Beispiel 21. LAMBDA-X 22. Goodness of fit Test".  | <a href="https://mlecture.uni-bremen.de/ml/index.php?option=com_mlplayer&amp;template=ml2&amp;mlid=1744">https://mlecture.uni-bremen.de/ml/index.php?option=com_mlplayer&amp;template=ml2&amp;mlid=1744</a>                 |

| Quantitative Methods |  |  |  |
|----------------------|--|--|--|
| Beginner             | <p>Basic information about qualitative research (the split between data collection and analysis is harder for qualitative research), e.g. coding and methods like content analysis.</p>  | <p>The ILIAS system of the Martin-Luther-Universität Halle-Wittenberg includes the section "Forschungsmethoden" (research methods) which includes the section "Qualitative Forschung" (qualitative research), consisting of the section Interview and "Inhaltsanalyse" content analysis. For each of the methods the procedure is explained as well as strengths and weaknesses are discussed. "Im Rahmen der qualitativen Forschung ist subjektives menschliches Erleben vordergründig, weshalb man auch von einer "subjektiven Wahrheit" als zentrale Zielstellung der qualitativen Forschung spricht." "Mithilfe der qualitativen Inhaltsanalyse kann relativ unstrukturiertes Datenmaterial systematisch, regel- und theoriegeleitet analysiert werden. Das zu untersuchende Datenmaterial wurde zuvor durch Kommunikation erstellt, d.h. es stehen Texte, Interviews, Reden, Kunstwerke, Zeichen, Symbole usw. zur Analyse. "</p> | <p><a href="https://ilias.uni-halle.de/ilias.php?ref_id=91165&amp;obj_id=114608&amp;cmd=layout&amp;cmdClass=illmpresentationgui&amp;cmdNode=fk&amp;baseClass=ilLMPresentationGUI">https://ilias.uni-halle.de/ilias.php?ref_id=91165&amp;obj_id=114608&amp;cmd=layout&amp;cmdClass=illmpresentationgui&amp;cmdNode=fk&amp;baseClass=ilLMPresentationGUI</a></p> |
| Intermediate         | <p>These content concerns more or less standard methods of qualitative analysis in the social sciences. Content that is coded accordingly requires a basic understanding of qualitative methodology and the epistemic foundations of qualitative research. Code typically includes e.g., Grounded Theory, qualitative text analysis (e.g. topic analysis, framing analysis), interview analysis.</p> | <p>Under the rubrics "Materialsammlung zum Thema Abschlussarbeiten" and "Qualitative Forschung" (qualitative research) there is an article called "Grounded -Theory-Methodologie". This article discusses characteristics and aspects of application of Grounded Theory and elaborates the different kinds of coding. "In einem abwechselnden und sich wiederholenden Prozess der Datenerhebung und -analyse werden sukzessive Kategorien gebildet und miteinander in Beziehung gesetzt und so letztlich zu einer Theorie verdichtet."</p>   | <p><a href="https://studilektor.de/tipps/qualitative-forschung/grounded-theory.html">https://studilektor.de/tipps/qualitative-forschung/grounded-theory.html</a></p>   |
| Expert               | <p>This concerns advanced methods coming from a qualitative research paradigm, that require higher levels of familiarity with qualitative research. The methods found in this code are e.g., objective hermeneutics and documentary method, metaphor or discourse analysis.</p>  | <p>Example taken from Methodenportal Leipzig. Under the link "Analyse und Auswertung" (analysis) there is among other options a link for "Objektive Hermeneutik" (objective hermeneutics) and for "Dokumentarische Methode" (documentary method). "Die dokumentarische Methode basiert auf der Trennung von immanentem bzw. kommunikativ generalisiertem und konjunktivem bzw. dokumentarischem Sinngehalt, sie trennt also explizite, konkrete (sprachliche) Handlungen einerseits und gewissermaßen implizite Bedeutungsspuren andererseits. Die Methode versucht also, das Gesagte oder Getane mit dem (womöglich) Gemeinten oder zum Ausdruck Kommenden zu verknüpfen."</p>  | <p><a href="https://home.uni-leipzig.de/methodenportal/dokumentarische-methode/">https://home.uni-leipzig.de/methodenportal/dokumentarische-methode/</a></p>   |

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| PILLAR 1 - RESSOURCES PROVIDED BY NATIONAL ASSOCIATIONS FOR SOCIAL SCIENCES |  | Data Collection   | Quant. Beginner | Quant. Intermed. | Quant. Expert | Qual. Beginner | Qual. Intermed. | Qual. Expert |
|---|--|---|-----------------|------------------|---------------|----------------|-----------------|--------------|
| Name of the Platform / Resource   | Institution and Source   | If content matching the column heading is present the item is coded 1 = yes; otherwise the item is coded with 0 = no. |                 |                  |               |                |                 |              |
| Official Website  | Deutsche Gesellschaft für Soziologie (DGS)   | 0   | 0               | 0                | 0             | 0              | 0               | 0            |
| Official Website  | Akademie für Soziologie  | 0   | 0               | 0                | 0             | 0              | 0               | 0            |
| Official Website  | Schweizer Gesellschaft für Soziologie (SGS)  | 0   | 0               | 0                | 0             | 0              | 0               | 0            |
| Official Website  | Österreichische Gesellschaft für Soziologie (ÖGS)                                  | 0   | 0               | 0                | 0             | 0              | 0               | 0            |
| Official Website  | Deutsche Gesellschaft für Publizistik und Kommunikationsw. (DGPUK)                 | 0   | 0               | 0                | 0             | 0              | 0               | 0            |
| Official Website  | Schweizerische Gesellschaft für Kommunikations- und Medienwissenschaften (SGKM)    | 0   | 0               | 0                | 0             | 0              | 0               | 0            |
| Official Website  | Österreichische Gesellschaft für Kommunikationsw. (ÖGK)                            | 0   | 0               | 0                | 0             | 0              | 0               | 0            |
| Official Website  | Deutsche Gesellschaft für Erziehungswissenschaften (DGfE)                          | 0   | 0               | 0                | 0             | 0              | 0               | 0            |
| Official Website  | Österreichische Gesellschaft für Forschung und Entwicklung im Bildungswesen (OFEB) | 0   | 0               | 0                | 0             | 0              | 0               | 0            |
| Official Website  | Schweizer Gesellschaft für Bildungsforschung (SGBF)                                | 0   | 0               | 0                | 0             | 0              | 0               | 0            |
| Official Website  | Deutsche Vereinigung für Politikwissenschaft (DVPW)                                | 0   | 0               | 0                | 0             | 0              | 0               | 0            |
| Official Website  | Deutsche Gesellschaft für Politikwissenschaft (DGfP)                               | 0   | 0               | 0                | 0             | 0              | 0               | 0            |
| Official Website  | Österreichische Gesellschaft für Politikwissenschaften (OEGP)                      | 0   | 0               | 0                | 0             | 0              | 0               | 0            |
| Official Website  | Schweizerische Vereinigung für politische Wissenschaft (SVPW)                      | 0   | 0               | 0                | 0             | 0              | 0               | 0            |

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| PILLAR 2 - RESSOURCES PROVIDED BY UNIVERSITIES WITH CHAIRS OR DEPARTMENTS ON EMPIRICAL SOCIAL RESEARCH |   | Data Collection   | Quant. Beginner | Quant. Intermed. | Quant. Expert | Qual. Beginner | Qual. Intermed. | Qual. Expert |
|--|---|---|-----------------|------------------|---------------|----------------|-----------------|--------------|
| Name of the Platform / Resource  | Institution and Source (only institutions with OER or OER-alike are listed) | If Content matching the column heading is present the item is coded 1 = yes; otherwise the item is coded with 0 = no. |                 |                  |               |                |                 |              |
| Methodenportal zur empirischen Kommunikationsforschung   | Catholic University of Eichstätt  | 1   | 1               | 0                | 0             | 1              | 1               | 0            |
| Videostreaming Services  | Distance University Hagen   | 1   | 0               | 0                | 0             | 0              | 1               | 0            |
| Methodenzentrum - AB   | Ekhard Karls University Tübingen  | 1   | 0               | 0                | 0             | 1              | 1               | 1            |
| Tübinger Internet MultiMedia Server  | Ekhard Karls University Tübingen  | 1   | 1               | 1                | 0             | 1              | 1               | 1            |
| fu:stat thesis   | Free University of Berlin   | 0   | 1               | 1                | 0             | 0              | 0               | 0            |
| Ilias der Justus-Liebig-Universität Gießen   | Justus Liebig University Gießen   | 1   | 1               | 1                | 0             | 1              | 1               | 0            |
| ILIAS Martin-Luther-Universität Halle-Wittenberg   | Martin-Luther-University Halle-Wittenberg                                   | 1   | 1               | 0                | 0             | 1              | 0               | 0            |
| RUB Methodenzentrum  | RUB - Ruhr University of Bochum   | 1   | 1               | 1                | 0             | 1              | 1               | 0            |
| Open Learn Ware  | Technical University of Darmstadt   | 1   | 1               | 1                | 0             | 0              | 0               | 0            |
| Quasus   | Univeristy of Education - Freiburg  | 1   | 0               | 0                | 0             | 1              | 1               | 1            |
| Online Kurslabor - Methoden  | University of Augsburg  | 1   | 1               | 0                | 0             | 1              | 0               | 0            |
| mobile lectures  | University of Bremen  | 1   | 1               | 1                | 1             | 1              | 0               | 0            |
| HHU Mediathek  | University of Düsseldorf  | 0   | 1               | 1                | 1             | 1              | 0               | 0            |
| Lecture2Go   | University of Hamburg   | 1   | 1               | 1                | 0             | 0              | 0               | 0            |
| Methodenportal Leipzig   | University of Leipzig   | 1   | 1               | 0                | 0             | 1              | 1               | 1            |
| Virtuelle Lernplattform Statistik  | University of Oldenburg   | 0   | 1               | 1                | 0             | 0              | 0               | 0            |
| Forschen im Praxissemester   | University of Paderborn (student project)                                   | 1   | 1               | 0                | 0             | 1              | 1               | 1            |
| Grundlagen sozialwissenschaftlicher Methodologie   | University of Vienna  | 0   | 1               | 0                | 0             | 1              | 0               | 0            |
| Methodenberatung   | University of Zurich  | 0   | 1               | 1                | 0             | 0              | 0               | 0            |

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| PILLAR 3 - WEB BASED RESSOURCES                                     |   | Data Collection   | Quant. Beginner | Quant. Intermed. | Quant. Expert | Qual. Beginner | Qual. Intermed. | Qual. Expert |
|---|---|---|-----------------|------------------|---------------|----------------|-----------------|--------------|
| Name of the Ressource   | Source (only sources with OER or OER-alike are listed)  | If Content matching the column heading is present the item is coded 1 = yes; otherwise the item is coded with 0 = no. |                 |                  |               |                |                 |              |
| AUSSDA - OER für Datenanalyse                                       | AUSSDA - the Austrian Social Science Data Archive / Website (official)  | 0   | 1               | 1                | 0             | 0              | 0               | 0            |
| shribe!   | Blog on the Homepage of student support provider<br><a href="https://shribe.de/blog">https://shribe.de/blog</a>                                 | 1   | 1               | 0                | 0             | 1              | 1               | 0            |
| crashkurs-statistik.de  | crashkurs-statistik.de -> Website that offers overview to statistics, commercial interests by holder (selling books)                            | 0   | 1               | 1                | 0             | 0              | 0               | 0            |
| Gwriter   | Ghostwriting plattform, highly prolematic / Website (official)  | 1   | 1               | 0                | 0             | 1              | 1               | 0            |
| Bundeszentrale für politische Bildung - "kurz und knapp" Ressourcen | <a href="https://www.bpb.de/kurz-knapp/">https://www.bpb.de/kurz-knapp/</a> ; Offering by a german non-profit organisation / Website (official) | 1   | 1               | 0                | 0             | 0              | 0               | 0            |
| The Art of Data Analysis  | MaxQDA - Youtube Channel  | 0   | 0               | 0                | 0             | 1              | 1               | 0            |
| Novustat - Statistik Blog   | Novustat -> Partly commercial and gated   | 1   | 1               | 1                | 1             | 1              | 1               | 0            |
| Statologie  | Partly commcerial offerings in German for typical statistical questions   | 1   | 1               | 1                | 0             | 1              | 0               | 0            |
| [Werner Stangl]s Arbeitsblätter                                     | Private Homepage of previous social scientist Wener Stangl  | 1   | 0               | 0                | 0             | 1              | 0               | 0            |
| Bachelor Print  | Sideoffering of commercial enterprise that helps students with their thesis, including printing.  | 1   | 1               | 1                | 0             | 1              | 1               | 0            |
| Iiversity   | Springer published educational rressources  | 0   | 1               | 0                | 0             | 1              | 0               | 0            |
| Statistik am PC   | Statistik am PC - Youtube Channel   | 0   | 1               | 1                | 0             | 0              | 0               | 0            |
| Statistik & Beratung  | Statistik und Beratung - Daniela Keller (statistik-und-beratung.de)   | 0   | 1               | 1                | 0             | 0              | 0               | 0            |
| Statistikberatung   | studi-lektor.de   -> Partly commercial and gated  | 1   | 0               | 0                | 0             | 1              | 1               | 0            |
| fernstudium 4 u   | Tutorials that are tied to the distance university of Hagenberg   | 0   | 1               | 1                | 0             | 0              | 0               | 0            |
| StatsTutor  | Tutorials that are tied to the distance university of Hagenberg   | 0   | 1               | 1                | 0             | 0              | 0               | 0            |

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| PILLAR 3 - WEB BASED RESSOURCES              |  | Data Collection   | Quant. Beginner | Quant. Intermed. | Quant. Expert | Qual. Beginner | Qual. Intermed. | Qual. Expert |
|--|--|---|-----------------|------------------|---------------|----------------|-----------------|--------------|
| Name of the Ressource                        | Source (only sources with OER or OER-alike are listed)   | If Content matching the column heading is present the item is coded 1 = yes; otherwise the item is coded with 0 = no. |                 |                  |               |                |                 |              |
| SOWI Online                                  | Website of the association "SOWI Online" that tries to improve didactics in the social sciences. | 1   | 0               | 0                | 0             | 1              | 0               | 0            |
| Memucho                                      | Wiki for student related queries   | 1   | 1               | 0                | 0             | 1              | 0               | 0            |
| Statistik mit Five Profs                     | Youtube channel  | 0   | 1               | 1                | 0             | 0              | 0               | 0            |
| Quantitative Datennalyse (Datatab @ Youtube) | Youtube offerings by the Softwareprovider DATAtab  | 0   | 1               | 1                | 0             | 0              | 0               | 0            |



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|---|-----------------------------------|
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