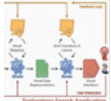




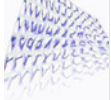






Bibliography

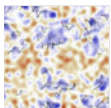




Prof. Dr. Jürgen Bernard

Full List of Publications at: <http://juergen-bernard.de/bibliography.html>









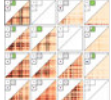


















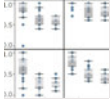


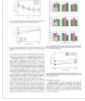
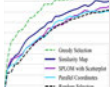



Theses

- T002 **Exploratory search in time-oriented primary data**
[Bernard, J.](#)
Technische Universität Darmstadt, Dissertation, PhD Thesis (Dissertation) (2015).

- T001 **Methoden zur Qualitätsbewertung von Self-organizing Maps zur Unterstützung des visuellen Analyseprozesses**
[Bernard, J.](#)
Technische Universität Darmstadt, Diploma Thesis (Diplomarbeit) (2009).







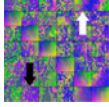






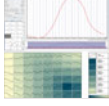






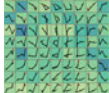
Books

- B001 **Methoden zur Qualitätsbewertung von Self-organizing Maps (SOM): Unterstützung der Visuellen Clusteranalyse**
[Bernard, J.](#)
AV Akademikerverlag, 978-3-639-85612-5 pp. 100 p., (2015).


Peer-reviewed Journal Articles

- J027 **Visualizing Graph Neural Networks with CorGIE: Corresponding a Graph to Its Embedding**
[Liu, Z.](#), [Wang, Y.](#), [Bernard, J.](#), [Munzner, T.](#)
IEEE Transactions on Visualization and Computer Graphics pp. 2500-2516, (2022). doi: [10.1109/TVCG.2022.3148197](https://doi.org/10.1109/TVCG.2022.3148197)

- J026 **ManEx: The Visual Analysis of Measurements for the Assessment of Errors in Electrical Engines**
[Eirich, J.](#), [Koutroulis, G.](#), [Mutlu, B.](#), [Jäckle, D.](#), [Kern, R.](#), [Schreck, T.](#), [Bernard, J.](#)
IEEE Computer Graphics and Applications pp. 68-80, (2022). doi: [10.1109/MCG.2022.3155306](https://doi.org/10.1109/MCG.2022.3155306)

- J025 **IRVINE: A Design Study on Analyzing Correlation Patterns of Electrical Engines**
[Eirich, J.](#), [Bonart, J.](#), [Jäckle, D.](#), [Sedlmair, M.](#), [Schmid, U.](#), [Fischbach, K.](#), [Schreck, T.](#), [Bernard, J.](#)
IEEE Transactions on Visualization and Computer Graphics (TVCG) pp. 11-21, (2022). doi: [10.1109/TVCG.2021.3114797](https://doi.org/10.1109/TVCG.2021.3114797)

- J024 **QuestionComb: A Gamification Approach for the Visual Explanation of Linguistic Phenomena through Interactive Labeling**
[Sevastjanova, R.](#), [Jentner, W.](#), [Sperrle, F.](#), [Kehlbeck, R.](#), [Bernard, J.](#), [El-Assady, M.](#)
ACM Transactions on Interactive Intelligent Systems (TiIS) pp. 1-38, (2021). doi: [10.1145/3429448](https://doi.org/10.1145/3429448)

- J023 **Co-adaptive visual data analysis and guidance processes**
[Sperrle, F.](#), [Jeitler, A.](#), [Bernard, J.](#), [Keim, D.](#), [El-Assady, M.](#)
Computers & Graphics (2021). doi: <https://doi.org/10.1016/j.cag.2021.06.016>

- J022 **ProSeCo: Visual analysis of class separation measures and dataset characteristics**
[Bernard, J.](#), [Hutter, M.](#), [Zeppelzauer, M.](#), [Sedlmair, M.](#), [Munzner, T.](#)
Computers & Graphics pp. 48-60, (2021). doi: <https://doi.org/10.1016/j.cag.2021.03.004>

- J021 **A Taxonomy of Property Measures to Unify Active Learning and Human-Centered Approaches To Data Labeling**
[Bernard, J.](#), [Hutter, M.](#), [Sedlmair, M.](#), [Zeppelzauer, M.](#), [Munzner, T.](#)
ACM Transactions on Interactive Intelligent Systems (TiIS) (2021).

- J020 **The Effect of Alignment on Peoples Ability to Judge Event Sequence Similarity**
[Ruddle, R.](#), [Bernard, J.](#), [Lücke-Tieke, H.](#), [May, T.](#), [Kohlhammer, J.](#)
IEEE Transactions on Visualization and Computer Graphics pp. 1-1, (2021). doi: [10.1109/TVCG.2021.3050497](https://doi.org/10.1109/TVCG.2021.3050497)

- J019 **Interactive Visual Labelling versus Active Learning: An Experimental Comparison**
[Chegini, M.](#), [Bernard, J.](#), [Cui, J.](#), [Chegini, F.](#), [Sourin, A.](#), [Andrews, K.](#), [Schreck, T.](#)
Frontiers of Information Technology & Electronic Engineering (FITEE) pp. 524-535, (2020). doi: [10.1631/FITEE.1900549](https://doi.org/10.1631/FITEE.1900549)


	J018 ConfusionFlow: A model-agnostic visualization for temporal analysis of classifier confusion Hinterreiter, A. , Ruch, P. , Stitz, H. , Ennemoser, M. , Bernard, J. , Strobel, H. , Streit, M. IEEE Transactions on Visualization and Computer Graphics (2020).	   
	J017 Visual-Interactive Preprocessing of Multivariate Time Series Data Bernard, J. , Hutter, M. , Reinemuth, H. , Pfeifer, H. , Bors, C. , Kohlhammer, J. Computer Graphics Forum (CGF) pp. 401-412, (2019). doi: 10.1111/cgf.13698	   
	J016 Interactive Labelling of a Multivariate Dataset for Supervised Machine Learning Using Linked Visualisations, Clustering, and Active Learning Chegini, M. , Bernard, J. , Berger, P. , Sourin, A. , Andrews, K. , Schreck, T. Visual Informatics pp. 9-17, (2019). doi: 10.1016/j.visinf.2019.03.002	   
	J015 Towards User-Centered Active Learning Algorithms Bernard, J. , Zeppelzauer, M. , Lehmann, M. , Müller, M. , Sedlmair, M. Computer Graphics Forum (CGF) pp. 121-132, (2018). doi: 10.1111/cgf.13406	   
	J014 SOMFlow: Guided Exploratory Cluster Analysis with Self-Organizing Maps and Analytic Provenance Sacha, D. , Kraus, M. , Bernard, J. , Behrisch, M. , Schreck, T. , Asano, Y. , Keim, D. IEEE Transactions on Visualization and Computer Graphics (TVCG) pp. 120-130, (2018). doi: 10.1109/TVCG.2017.2744805	   
	J013 Using dashboard networks to visualize multiple patient histories: a design study on post-operative prostate cancer Bernard, J. , Sessler, D. , Kohlhammer, J. , Ruddle, R. IEEE Transactions on Visualization and Computer Graphics (TVCG) pp. 1615-1628, (2018). doi: 10.1109/TVCG.2018.2803829	   
	J012 VIAL: a unified process for visual interactive labeling Bernard, J. , Zeppelzauer, M. , Sedlmair, M. , Aigner, W. The Visual Computer (TVCG) pp. 1189-1207, (2018). doi: 10.1007/s00371-018-1500-3	   
	J011 Comparing Visual-Interactive Labeling with Active Learning: An Experimental Study Bernard, J. , Hutter, M. , Zeppelzauer, M. , Fellner, D. , Sedlmair, M. IEEE Transactions on Visualization and Computer Graphics (TVCG) pp. 298-308, (2018). doi: 10.1109/TVCG.2017.2744818	   
	J010 Functional Outcomes and Quality of Life After Radical Prostatectomy Only Versus a Combination of Prostatectomy with Radiation and Hormonal Therapy Adam, M. , Tennstedt, P. , Lanwehr, D. , Tilki, D. , Steuber, T. , Beyer, B. , Pehrke, D. , Stattin, P. , Bernard, J. , Klaus, B. , Loeb, S. , Schlomm, T. European Urology pp. 330-336, (2017). doi: https://doi.org/10.1016/j.eururo.2016.11.015	   
	J009 Toxicity in a Multimodality Approach of Radical Prostatectomy with Radiation and Hormonal Therapy Loeb, S. , Adam, M. , Tennstedt, P. , Huber, W. , Bernard, J. , Tilki, D. , Graefen, M. , Huland, H. , Schlomm, T. Journal of Clinical Oncology (JCO) pp. 107, (2016).	  
	J008 A Visual-Interactive System for Prostate Cancer Cohort Analysis Bernard, J. , Sessler, D. , May, T. , Schlomm, T. , Pehrke, D. , Kohlhammer, J. Computer Graphics and Applications (CG&A), IEEE pp. 44-55, (2015). doi: 10.1109/MCG.2015.49	   
	J007 VisInfo: a digital library system for time series research data based on exploratory search—a user-centered design approach Bernard, J. , Daberkow, D. , Fellner, D. , Fischer, K. , Koepler, O. , Kohlhammer, J. , Runnwerth, M. , Ruppert, T. , Schreck, T. , Sens, I. International Journal on Digital Libraries (IJoDL), Springer pp. 37-59, (2015). doi: 10.1007/s00799-014-0134-y	   
	J006 Visual-interactive Exploration of Interesting Multivariate Relations in Mixed Research Data Sets Bernard, J. , Steiger, M. , Widmer, S. , Lücke-Tieke, H. , May, T. , Kohlhammer, J. Computer Graphics Forum (CGF) pp. 291-300, (2014). doi: 10.1111/cgf.12385	   
	J005 Visual Analysis of Time-Series Similarities for Anomaly Detection in Sensor Networks Steiger, M. , Bernard, J. , Mittelstädt, S. , Lücke-Tieke, H. , Keim, D. , May, T. , Kohlhammer, J. Computer Graphics Forum (CGF) pp. 401-410, (2014). doi: 10.1111/cgf.12396	   
	J004 MotionExplorer: Exploratory Search in Human Motion Capture Data Based on Hierarchical Aggregation Bernard, J. , Wilhelm, N. , Krüger, B. , May, T. , Schreck, T. , Kohlhammer, J. IEEE Transactions on Visualization and Computer Graphics (TVCG) pp. 2257-2266, (2013). doi: 10.1109/TVCG.2013.178	   





















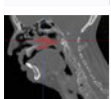





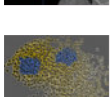



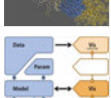



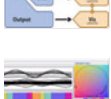








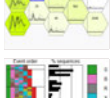

















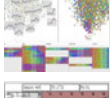




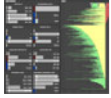
	J003 Assisted Descriptor Selection Based on Visual Comparative Data Analysis Bremm, S., von Landesberger, T., Bernard, J. , Schreck, T. Computer Graphics Forum (CGF) pp. 891-900, (2011). doi: 10.1111/j.1467-8659.2011.01938.x	   	
	J002 A visual digital library approach for time-oriented scientific primary data Bernard, J. , Brase, J., Fellner, D., Koepler, O., Kohlhammer, J., Ruppert, T., Schreck, T., Sens, I. International Journal of Digital Libraries (IJoDL), ECDL 2010 Special Issue, Springer pp. 111-123, (2011). doi: 10.1007/s00799-011-0072-x	    	
	J001 Visual Cluster Analysis of Trajectory Data with Interactive Kohonen Maps Schreck, T., Bernard, J. , von Landesberger, T., Kohlhammer, J. Information Visualization, Palgrave Macmillan pp. 14-29, (2009). doi: 10.1057/ivs.2008.29	    	

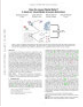




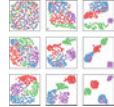





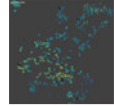

















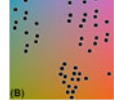
Peer-reviewed Full Papers

	P026 LayoutExOmizer: Interactive Exploration and Optimization of 2D Data Layouts Schader, P., Beckmann, R., Graner, L., Bernard, J. Vision, Modeling, and Visualization, (VMV), Eurographics Association pp. 99-107, (2021). doi: 10.2312/vmv.20211376	   	
	P025 Visualizing Time Series Consistency for Feature Selection Cibulski, L., May, T., Preim, B., Bernard, J. , Kohlhammer, J. Conference in Central Europe on Computer Graphics, Visualization and Computer Vision, Vaclav Skala-UNION Agency (2019). doi: http://hdl.handle.net/11025/35593	   	
	P024 Approaches and Challenges in the Visual-Interactive Comparison of Human Motion Data Bernard, J. , Vögele, A., Klein, R., Fellner, D. Conference on Information Visualization Theory and Applications (IVAPP, VISIGRAPP) pp. 217-224, (2017). doi: 10.5220/0006127502170224	   	
	P023 Visual-Interactive Similarity Search for Complex Objects by Example of Soccer Player Analysis Bernard, J. , Ritter, C., Sessler, D., Zeppelzauer, M., Kohlhammer, J., Fellner, D. Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications (IVAPP, VISIGRAPP) (3) pp. 75-87, (2017). doi: 10.5220/0006116400750087	   	
	P022 Visual-Interactive Semi-Supervised Labeling of Human Motion Capture Data Bernard, J. , Dobermann, E., Vögele, A., Krüger, B., Kohlhammer, J. Visualization and Data Analysis (VDA 2017) (2017). doi: https://doi.org/10.2352/ISSN.2470-1173.2017.1.VDA-387	   	
	P021 Visual Interactive Creation and Validation of Text Clustering Workflows to Explore Document Collections Ruppert, T., Staab, M., Bannach, A., Lücke-Tieke, H., Bernard, J. , Kuijper, A., Kohlhammer, J. Electronic Imaging pp. 46-57, (2017). doi: doi:10.2352/ISSN.2470-1173.2017.1.VDA-388	   	
	P020 Exploratory search in time-oriented primary data Bernard, J. Ausgezeichnete Informatikdissertationen 2015 (D-16), Gesellschaft für Informatik (GI) pp. 11-20, (2016).	  	
	P019 Supporting Collaborative Political Decision Making: An Interactive Policy Process Visualization System Ruppert, T., Bannach, A., Bernard, J. , Lücke-Tieke, H., Ulmer, A., Kohlhammer, J. Symposium on Visual Information Communication and Interaction, ACM pp. 104-111, (2016). doi: 10.1145/2968220.2968223	   	
	P018 A survey and task-based quality assessment of static 2D colormaps Bernard, J. , Steiger, M., Mittelstädt, S., Thum, S., Keim, D., Kohlhammer, J. Electronic Imaging, SPIE Conference on Visualization and Data Analysis pp. 93970M-93970M-16, (2015). doi: 10.1117/12.2079841	   	
	P017 FuryExplorer: Visual-Interactive Exploration of Horse Motion Capture Data Wilhelm, N., Vögele, A., Zsoldos, R., Licka, T., Krüger, B., Bernard, J. Electronic Imaging, SPIE Conference on Visualization and Data Analysis (2015). doi: doi:10.1117/12.2080001	   	
	P016 Explorative Analysis of 2D Color Maps Steiger, M., Bernard, J. , Mittelstädt, S., Hutter, M., Keim, D., Thum, S., Kohlhammer, J. Proceedings of WSCG (23), Eurographics Association, Vaclav Skala - Union Agency pp. 151-160, (2015).	  	
	P015 Visual Access to an Agent-based Simulation Model to Support Political Decision Making Ruppert, T., Bernard, J. , Ulmer, A., Lücke-Tieke, H., Kohlhammer, J. Conference on Knowledge Technologies and Data-driven Business, ACM pp. 1-16, (2014). doi: 10.1145/2637748.2638410	    	

	<p>P014 Combining Computational Models and Interactive Visualization to Support Rational Decision Making Ruppert, T., Bernard, J., May, T., Kohlhammer, J. Advances in Visual Computing (8887), Springer International Publishing pp. 345-356, (2014). doi: 10.1007/978-3-319-14249-4_33</p>	    
	<p>P013 A Survey of Direction-preserving Layout Strategies Steiger, M., Bernard, J., May, T., Kohlhammer, J. Spring Conference on Computer Graphics, ACM pp. 21-28, (2014). doi: 10.1145/2643188.2643189</p>	    
	<p>P012 User-Based Visual-Interactive Similarity Definition for Mixed Data Objects-Concept and First Implementation Bernard, J., Sessler, D., Ruppert, T., Davey, J., Kuijper, A., Kohlhammer, J. Proceedings of WSCG (22), Eurographics Association, Vaclav Skala - Union Agency pp. 329-338, (2014).</p>	   
	<p>P011 Bridging Knowledge Gaps in Policy Analysis with Information Visualization Ruppert, T., Bernard, J., Kohlhammer, J. Conference on Electronic Government (EGOV/ePart Ongoing Research) (221), GI pp. 92-103, (2013).</p>	   
	<p>P010 Adaptive Semantic Visualization for Bibliographic Entries Nazemi, K., Retz, R., Bernard, J., Kohlhammer, J., Fellner, D. Advances in Visual Computing (8034), Springer Berlin Heidelberg pp. 13-24, (2013). doi: 10.1007/978-3-642-41939-3_2</p>	    
	<p>P009 Visual Access to Optimization Problems in Strategic Environmental Assessment Ruppert, T., Bernard, J., Ulmer, A., Kuijper, A., Kohlhammer, J. Advances in Visual Computing (8034), Springer Berlin Heidelberg pp. 361-372, (2013). doi: 10.1007/978-3-642-41939-3_35</p>	    
	<p>P008 Content-based layouts for exploratory metadata search in scientific research data Bernard, J., Ruppert, T., Scherer, M., Kohlhammer, J., Schreck, T. ACM/IEEE-CS Joint Conference on Digital Libraries, ACM pp. 139-148, (2012). doi: 10.1145/2232817.2232844</p>	    
	<p>P007 Visual-Interactive Preprocessing of Time Series Data Bernard, J., Ruppert, T., Goroll, O., May, T., Kohlhammer, J. SIGRAD, Swedish Chapter of Eurographics (81), Linköping University Electronic Press pp. 39-48, (2012).</p>	   
	<p>P006 Guided Discovery of Interesting Relationships Between Time Series Clusters and Metadata Properties Bernard, J., Ruppert, T., Scherer, M., Schreck, T., Kohlhammer, J. International Conference on Knowledge Management and Knowledge Technologies, ACM pp. 1-22, (2012). doi: 10.1145/2362456.2362485</p>	    
	<p>P005 TimeSeriesPaths: Projection-Based Explorative Analysis of Multivariate Time Series Data Bernard, J., Wilhelm, N., Scherer, M., May, T., Schreck, T. Journal of WSCG pp. 97-106, (2012).</p>	   
	<p>P004 Retrieval and Exploratory Search in Multivariate Research Data Repositories Using Regressional Features Scherer, M., Bernard, J., Schreck, T. ACM/IEEE Joint Conference on Digital Libraries, ACM pp. 363-372, (2011). doi: 10.1145/1998076.1998144</p>	    
	<p>P003 Multiscale visual quality assessment for cluster analysis with Self-Organizing Maps Bernard, J., von Landesberger, T., Bremm, S., Schreck, T. Electronic Imaging, SPIE Conference on Visualization and Data Analysis pp. 1-78680, (2011). doi: 10.1117/12.872545</p>	    
	<p>P002 A Visual Digital Library Approach for Time-Oriented Research Data Bernard, J., Brase, J., Fellner, D., Koepler, O., Kohlhammer, J., Ruppert, T., Schreck, T., Sens, I. European Conference on Digital Libraries (6273), Springer pp. 352-363, (2010). doi: 10.1007/978-3-642-15464-5_35</p>	    
	<p>P001 Visual Cluster Analysis of Trajectory Data with Interactive Kohonen Maps Schreck, T., Bernard, J., Tekusova, T., Kohlhammer, J. IEEE Symposium on Visual Analytics Science and Technology, IEEE Computer Society pp. 3-10, (2008). doi: 10.1109/VAST.2008.4677350</p>	    

	<p>W030 A Data-Centric Methodology and Task Typology for Time-Stamped Event Sequences Peiris, Y., Barth, C., Huang, E., Bernard, J. VIS Workshop on Evaluation and Beyond — Methodological Approaches for Visualization (BELIV), IEEE pp. 66-76, (2022). doi: 10.1109/BELIV57783.2022.00012</p>	<p> </p> <p></p>
	<p>W029 RankASco: A Visual Analytics Approach to Leverage Attribute-Based User Preferences for Item Rankings Schmid, J., Cibulski, L., Hazwani, I., Bernard, J. EuroVis Workshop on Visual Analytics (EuroVA), The Eurographics Association (2022). doi: 10.2312/eurova.20221072</p>	<p> </p> <p></p>
	<p>W028 Interactive Visual Explanation of Incremental Data Labeling Beckmann, R., Blaga, C., El-Assady, M., Zeppelzauer, M., Bernard, J. EuroVis Workshop on Visual Analytics (EuroVA), The Eurographics Association (2022). doi: 10.2312/eurova.20221073</p>	<p> </p> <p></p>
	<p>W027 A Taxonomy of Attribute Scoring Functions Schmid, J., Bernard, J. EuroVis Workshop on Visual Analytics (EuroVA), The Eurographics Association (2021). doi: 10.2312/eurova.20211095</p>	<p> </p> <p></p>
	<p>W026 LFPeers: Temporal Similarity Search in Covid-19 Data Burmeister, J., Bernard, J., Kohlhammer, J. EuroVis Workshop on Visual Analytics (EuroVA), The Eurographics Association (2021). doi: 10.2312/eurova.20211098</p>	<p> </p> <p></p>
	<p>W025 SepEx: Visual Analysis of Class Separation Measures Bernard, J., Hutter, M., Zeppelzauer, M., Sedlmair, M., Munzner, T. EuroVis Workshop on Visual Analytics (EuroVA), The Eurographics Association (2020). doi: 10.2312/eurova.20201079</p>	<p> </p> <p></p>
	<p>W024 Learning and Teaching in Co-Adaptive Guidance for Mixed-Initiative Visual Analytics Sperrle, F., Jeitler, A., Bernard, J., Keim, D., El-Assady, M. EuroVis Workshop on Visual Analytics (EuroVA), The Eurographics Association (2020). doi: 10.2312/eurova.20201088</p>	<p> </p> <p></p>
	<p>W023 Visual Analysis of Degree-of-Interest Functions to Support Selection Strategies for Instance Labeling Bernard, J., Hutter, M., Ritter, C., Lehmann, M., Sedlmair, M., Zeppelzauer, M. EuroVis Workshop on Visual Analytics (EuroVA), The Eurographics Association (2019). doi: 10.2312/eurova.20191116</p>	<p> </p> <p></p>
	<p>W022 Shall we play?—Extending the Visual Analytics Design Space through Gameful Design Concepts Sevastjanova, R., Schäfer, H., Bernard, J., Keim, D., El-Assady, M. MLUI 2019: Machine Learning from User Interactions for Visualization and Analytics, IEEE VIS 2019 workshop (2019).</p>	<p> </p> <p></p>
	<p>W021 Self-Service Data Preprocessing and Cohort Analysis for Medical Researchers Burmeister, J., Bernard, J., May, T., Kohlhammer, J. IEEE Workshop on Visual Analytics in Healthcare (VAHC) pp. 17-24, (2019). doi: 10.1109/VAHC47919.2019.8945040</p>	<p> </p> <p></p>
	<p>W020 mVis in the Wild: Pre-Study of an Interactive Visual Machine Learning System for Labelling Chegini, M., Bernard, J., Shao, L., Sourin, A., Andrews, K., Schreck, T. IEEE VIS 2019 Workshop on Evaluation of Interactive Visual Machine Learning Systems (2019).</p>	<p> </p> <p></p>
	<p>W019 Quantifying Uncertainty in Multivariate Time Series Pre-Processing Bors, C., Bernard, J., Bögl, M., Gschwandtner, T., Kohlhammer, J., Miksch, S. EuroVis Workshop on Visual Analytics (EuroVA), The Eurographics Association (2019). doi: 10.2312/eurova.20191121</p>	<p> </p> <p></p>
	<p>W018 Speculative Execution for Guided Visual Analytics Sperrle, F., Bernard, J., Sedlmair, M., Keim, D., El-Assady, M. VIS Workshop on Machine Learning from User Interaction for Visualization and Analytics, IEEE (2018).</p>	<p> </p> <p></p>
	<p>W017 Minions, Sheep, and Fruits: Metaphorical Narratives to Explain Artificial Intelligence and Build Trust Jentner, W., Sevastjanova, R., Stoffel, F., Keim, D., Bernard, J., El-Assady, M. IEEE VIS Workshop on Visualization for AI Explainability (2018).</p>	<p> </p> <p></p>
	<p>W016 Computer-supported Interactive Assignment of Keywords for Literature Collections Agarwal, S., Bernard, J., Beck, F. IEEE VIS Workshop on Machine Learning from User Interaction for Visualization and Analytics, IEEE (2018).</p>	<p> </p> <p></p>
	<p>W015 Lowering the Barrier for Successful Replication and Evaluation Lücke-Tieke, H., Beuth, M., Schader, P., May, T., Bernard, J., Kohlhammer, J. IEEE VIS Workshop on Evaluation and Beyond - Methodological Approaches for Visualizations (BELIV), IEEE (2018).</p>	<p> </p> <p></p>

	<p>W014 Personalized Visual-Interactive Music Classification Ritter, C., Altenhofen, C., Zeppelzauer, M., Kuijper, A., Schreck, T., Bernard, J. EuroVis Workshop on Visual Analytics (EuroVA), The Eurographics Association (2018). doi: 10.2312/eurova.20181109</p>	    
	<p>W013 Combining the Automated Segmentation and Visual Analysis of Multivariate Time Series Bernard, J., Bors, C., Bögl, M., Eichner, C., Gschwandtner, T., Miksch, S., Schumann, H., Kohlhammer, J. EuroVis Workshop on Visual Analytics (EuroVA), The Eurographics Association (2018). doi: 10.2312/eurova.20181112</p>	    
	<p>W012 A Unified Process for Visual-Interactive Labeling Bernard, J., Zeppelzauer, M., Sedlmair, M., Aigner, W. EuroVis Workshop on Visual Analytics (EuroVA), The Eurographics Association (2017). doi: 10.2312/eurova.20171123</p>	    
	<p>W011 Visual analytics for radiomics: Combining medical imaging with patient data for clinical research Bannach, A., Bernard, J., Jung, F., Kohlhammer, J., May, T., Scheckenbach, K., Wesarg, S. IEEE Workshop on Visual Analytics in Healthcare (VAHC), IEEE pp. 84-91, (2017). doi: 10.1109/VAHC.2017.8387545</p>	   
	<p>W010 Combining Cluster and Outlier Analysis with Visual Analytics Bernard, J., Dobermann, E., Sedlmair, M., Fellner, D. EuroVis Workshop on Visual Analytics (EuroVA), The Eurographics Association (2017). doi: 10.2312/eurova.20171114</p>	    
	<p>W009 Structuring the Strategies for Integrating Visualization into Automated Modeling Techniques for Visual Analytics May, T., Bernard, J., Kohlhammer, J. IEEE VIS Workshop on Creation, Curation, Critique and Conditioning of Principles and Guidelines in Visualization (C4PGV) (2016).</p>	  
	<p>W008 Visual-Interactive Segmentation of Multivariate Time Series Bernard, J., Dobermann, E., Bögl, M., Röhlig, M., Vögele, A., Kohlhammer, J. EuroVis Workshop on Visual Analytics (EuroVA), The Eurographics Association (2016). doi: 10.2312/eurova.20161121</p>	    
	<p>W007 Visual-Interactive Exploration of Relations Between Time-Oriented Data and Multivariate Data Bernard, J., Sessler, D., Steiger, M., Spott, M., Kohlhammer, J. EuroVis Workshop on Visual Analytics (EuroVA), The Eurographics Association (2016). doi: 10.2312/eurova.20161124</p>	    
	<p>W006 Methods and a research agenda for the evaluation of event sequence visualization techniques Ruddle, R., Bernard, J., May, T., Lücke-Tieke, H., Kohlhammer, J. IEEE VIS 2016 Workshop on Temporal & Sequential Event Analysis. (2016).</p>	  
	<p>W005 Visual-Interactive Text Analysis to Support Political Decision Making - From Sentiments to Arguments to Policies Ruppert, T., Bernard, J., Lücke-Tieke, H., May, T., Kohlhammer, J. EuroVis Workshop on Visual Analytics (EuroVA), The Eurographics Association (2015). doi: 10.2312/eurova.20151101</p>	    
	<p>W004 Visual Analysis of Relations in Attributed Time-Series Data Steiger, M., Bernard, J., Schader, P., Kohlhammer, J. EuroVis Workshop on Visual Analytics (EuroVA), The Eurographics Association (2015). doi: 10.2312/eurova.20151105</p>	    
	<p>W003 A Visual Active Learning System for the Assessment of Patient Well-being in Prostate Cancer Research Bernard, J., Sessler, D., Bannach, A., May, T., Kohlhammer, J. IEEE VIS Workshop on Visual Analytics in Healthcare, ACM pp. 1-8, (2015). doi: 10.1145/2836034.2836035</p>	    
	<p>W002 A Visual-interactive System for Prostate Cancer Stratifications Bernard, J., Sessler, D., May, T., Schlomm, T., Pehrke, D., Kohlhammer, J. IEEE Vis Workshop on Visualizing Electronic Health Record Data (EHRVis), IEEE Computer Society (2014).</p>	  
	<p>W001 Smart Query Definition for Content-Based Search in Large Sets of Graphs von Landesberger, T., Bremm, S., Bernard, J., Schreck, T. International Symposium on Visual Analytics Science and Technology, Eurographics Association pp. 7-12, (2010).</p>	  

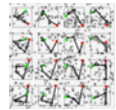
	S005 Does the Layout Really Matter? A Study on Visual Model Accuracy Estimation Grossmann, N., Bernard, J. , Sedlmair, M., Waldner, M. IEEE Visualization Conference - Short Papers, IEEE pp. 61-65, (2021). doi: 10.1109/VIS49827.2021.9623326	   	
	S004 Learning from the Best - Visual Analysis of a Quasi-Optimal Data Labeling Strategy Bernard, J. , Hutter, M., Lehmann, M., Müller, M., Zeppelzauer, M., Sedlmair, M. EuroVis 2018 - Short Papers, The Eurographics Association (2018). doi: 10.2312/eurovisshort.20181085	   	
	S003 Visual Access to Performance Indicators in the Mining Sector Ruppert, T., Bannach, A., Bernard, J. , Lokanc, M., Kohlhammer, J. EuroVis 2017 - Short Papers, The Eurographics Association (2017). doi: 10.2312/eurovisshort.20171150	   	
	S002 Visual Analytics of Work Behavior Data - Insights on Individual Differences Koldijk, S., Bernard, J. , Ruppert, T., Kohlhammer, J., Neerinx, M., Kraaij, W. Eurographics Conference on Visualization (EuroVis) - Short Papers, The Eurographics Association (2015). doi: 10.2312/eurovisshort.20151129	   	
	S001 Revisiting Perceptually Optimized Color Mapping for High-Dimensional Data Analysis Mittelstädt, S., Bernard, J. , Schreck, T., Steiger, M., Kohlhammer, J., Keim, D. EuroVis - Short Papers, The Eurographics Association (2014). doi: 10.2312/eurovisshort.20141163	   	

Posters

	O011 A Design Space for Explainable Ranking and Ranking Models Hazwani, I., Schmid, J., Sachdeva, M., Bernard, J. EuroVis 2022 - Posters, The Eurographics Association (2022). doi: 10.2312/evp.20221114	   	
	O010 Toxicity in a Multimodality Approach of Radical Prostatectomy with Radiation and Hormonal Therapy Loeb, S., Adam, M., Tennstedt, P., Huber, W., Bernard, J. , Tilki, D., Graefen, M., Huland, H., Schlomm, T. Genitourinary Cancers Symposium (2016).	  	
	O009 Towards Combining Attribute-based and Time Series-based Visual Querying Sessler, D., Spott, M., Nauck, D., Harmer, W., Kohlhammer, J., Bernard, J. EuroVis 2016 - Posters, The Eurographics Association (2016). doi: 10.2312/evp.20161145	   	
	O008 Enhancing Time Series Segmentation and Labeling Through the Knowledge Generation Model Gschwandtner, T., Schumann, H., Bernard, J. , May, T., Bögl, M., Miksch, S., Kohlhammer, J., Röhlig, M., Alsallakh, B. Eurographics Conference on Visualization (EuroVis) - Poster, The Eurographics Association (2015).	  	
	O007 Towards a User-Defined Visual-Interactive Definition of Similarity Functions for Mixed Data Bernard, J. , Sessler, D., Behrisch, M., Hutter, M., Schreck, T., Kohlhammer, J. IEEE Symposium on Visual Analytics Science and Technology (Poster Paper) (2014). doi: 10.1109/VAST.2014.7042503	   	
	O006 Towards a Tighter Coupling of Visualization and Public Policy Making Ruppert, T., Bernard, J. , Lücke-Tieke, H., Kohlhammer, J. Proc. IEEE Symposium on Visual Analytics Science and Technology (Poster Paper) (2014). doi: 10.1109/VAST.2014.7042525	   	
	O005 Adopting Mental Similarity Notions of Categorical Data Objects to Algorithmic Similarity Functions Sessler, D., Bernard, J. , Kuijper, A., Kohlhammer, J. Vision, Modelling and Visualization (VMV) (2014). doi: 10.13140/RG.2.2.19683.25129	   	
	O004 Interactive Multi-Criteria Optimization of 2D Color Maps Hutter, M., Steiger, M., Bernard, J. , Zurlon, C., Kohlhammer, J. Vision, Modelling and Visualization (VMV) (2014). doi: 10.13140/RG.2.2.34782.74560	   	
	O003 Visual Exploration of Local Interest Points in Sets of Time Series Schreck, T., Sharaliev, L., Wanner, F., Bernard, J. , Ruppert, T., von Landesberger, T., Bustos, B. Proc. IEEE Symposium on Visual Analytics Science and Technology (Poster Paper) (2012). doi: 10.1109/VAST.2012.6400534	   	
	O002 Cluster Correspondence Views for Enhanced Analysis of SOM Displays Bernard, J. , von Landesberger, T., Bremm, S., Schreck, T. IEEE Symposium on Visual Analytics Science and Technology pp. 217-218, (2010). doi: 10.1109/VAST.2010.5651676	   	



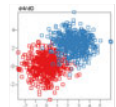
D001 Micro-Macro Views for Visual Trajectory Cluster Analysis
[Bernard, J.](#), [von Landesberger, T.](#), [Bremm, S.](#), [Schreck, T.](#)
 Eurographics/IEEE Symposium on Visualization (2009).



Data Sets (Open Access)



D007 100 Synthetic Datasets for the Analysis of Class Separation Measures
[Bernard, J.](#), [Hutter, M.](#), [Zeppelzauer, M.](#), [Sedlmair, M.](#), [Munzner, T.](#)
 Used in Publication - SepEx: Visual Analysis of Class Separation Measures (2020).



D006 30 years of synoptic observations from Neumayer Station with links to datasets
[Bernard, J.](#), [König-Langlo, G.](#), [Sieger, R.](#)
 PANGAEA - Data Publisher for Earth and Environmental Science (2014). doi:
[10.1594/PANGAEA.150017](https://doi.org/10.1594/PANGAEA.150017)



D005 Reference list of 120 datasets from time series station Payerne used for exploratory search
[Bernard, J.](#), [Wilhelm, N.](#), [Scherer, M.](#), [May, T.](#), [Schreck, T.](#)
 PANGAEA - Data Publisher for Earth and Environmental Science (2012). doi:
[doi:10.1594/PANGAEA.783598](https://doi.org/10.1594/PANGAEA.783598)



D004 Reference list of 265 sources used for the discovery of relationships between data clusters and metadata properties
[Bernard, J.](#), [Ruppert, T.](#), [Scherer, M.](#), [Schreck, T.](#), [Kohlhammer, J.](#)
 PANGAEA - Data Publisher for Earth and Environmental Science (2012). doi:
[doi:10.1594/PANGAEA.785666](https://doi.org/10.1594/PANGAEA.785666)



D003 Reference list of 269 sources used for exploratory search
[Bernard, J.](#), [Ruppert, T.](#), [Scherer, M.](#), [Schreck, T.](#)
 PANGAEA - Data Publisher for Earth and Environmental Science (2012). doi:
[10.1594/PANGAEA.778638](https://doi.org/10.1594/PANGAEA.778638)



D002 Time-oriented earth observation measurements from the Baseline Surface Radiation Network (BSRN) in the years 1992 to 2012, reference list of 6813 datasets
[Bernard, J.](#), [König-Langlo, G.](#), [Sieger, R.](#)
 PANGAEA - Data Publisher for Earth and Environmental Science (2012). doi:
[doi:10.1594/PANGAEA.787726](https://doi.org/10.1594/PANGAEA.787726)



D001 Reference list of sources used for two experimental data files dataBSRN and dataMixed
[Scherer, M.](#), [Bernard, J.](#), [Schreck, T.](#)
 PANGAEA - Data Publisher for Earth and Environmental Science (2011). doi:
[doi:10.1594/PANGAEA.756307](https://doi.org/10.1594/PANGAEA.756307)

