```
3, journal = The RAND Journal of Economics, author = Armstrong, Mark, year = 2006, pages = 668 - -691 \blacksquare 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 10
                                                 @articlerochet_platform_2003, title = PlatformCompetitioninTwo - SidedMarkets, volume = 1, issn = \blacksquare
Many if not most markets with network external ities are two-sided. To succeed, platforms in industries such as software, platforms in the succession of t
en, number = 4, urldate = 2016 - 08 - 04, journal = Journal of the European Economic Association, author = 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 -
 @articlecaillaud_chicken_2003, title = Chicken \& Egg: Competition among Intermediation Service Providers, volume
We analyze a model of imperfect price competition between intermediations ervice providers. We insist on features that are reduced in the property of the pr
2, urldate = 2016 - 10 - 18, journal = RAND Journal of Economics, author = Caillaud, Bernard and Jullien, Bruno, your angle of the control 
@bookbox<sub>t</sub>ime_2008, address = Hoboken, NJ, edition = 4, series = Wileyseries in probability and statistics, title = <math>\blacksquare
Timeseries analysis: forecasting and control, is bn=978-0-470-27284-8, short title=Timeseries analysis, publication for the stress of the st
Wiley, author = Box, George E. P. and Jenkins, Gwilym M. and Reinsel, Gregory C., year = 2008, keywords = \blacksquare
 *Time-series analysis/Prediction theory/Transfer functions/Feedback control systems--Mathematical models, *2 the control of 
                                                     @articleevans_e conomics_2008, title = The Economics of the Online Advertising Industry, volume = 7, url = \blacksquare 1, vrl = 
https://ideas.repec.org/a/bpj/rneart/v7y2008i3n2.html, abstract = Internet-based technologies are revolutionizing to the stract of the strategies of the s
3, urldate = 2016 - 08 - 11, journal = Review of Network Economics, author = Evans, David S., year = 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016 - 2016
2008, pages = 1 - -33, file = RePEcSnapshot: /Users/Franzi/Zotero/storage/Z6B7DBRS/v7y2008i3n2.html: texport of the control 
                                                 @inproceedingskorencic_{q}etting_{2}015, address = NewYork, NY, USA, series = TM'15, title = Gettingthe Agenda Right R
978 - 1 - 4503 - 3784 - 7, shorttitle = Gettingthe Agenda Right, url = http://doi.acm.org/10.1145/2809936.2809942, archive the agenda Right and the ag
10.1145/2809936.2809942, abstract = A gend a setting is the theory of how is sue salience is transferred from the mediatomed in the setting of the setting
Proceedings of the 2015 Workshop on Topic Models: Post-Processing and Applications, publisher = ACM, author = 1000 MeV and 1000 MeV a
 Koreni, DamirandRistov, Strahilandnajder, Jan, year = 2015, keywords = topic modeling, agendameasuring, agendas
                                                 @articletetlock_q iving_2007, title = GivingContenttoInvestorSentiment: The Role of Media in the StockMarket, volume to the Stock of 
10.1111/j.1540 - 6261.2007.01232.x, abstract = I quantitatively measure the interactions between the media and the stock model and the stock mod
2007, pages = 1139 - -1168, file = Snapshot: /Users/Franzi/Zotero/storage/R4FBIJ83/abstract.html: text/html=1139 - -1168, file = Snapshot: /Users/Franzi/Zotero/storage/R4FBIJ83/abstract.html=1139 - -1168, file = Snapshot: /U
                                                   @articlebaker_measuring 2016, title = Measuring Economic Policy Uncertainty, url = http://www.nber.org/papers. \\
```

 $@articlearmstrong_competition_2006, title = Competitionintwo - sidedmarkets, volume = 37, issn =$

 $\begin{aligned} & @ \text{articleblei}_p robabilistic_2 012, title = ProbabilisticTopicModels, volume = 55, issn = 0001-0782, url = 10.1145/2133806.2133826, doi = 10.1145/2133806.2133826, abstract = Surveying a suite of algorithm of the surveying and the survey in survey in surveying and the survey in survey in survey in survey in surveying and the survey in survey in surveying and the survey in survey in$

Blei, David M. and Ng, And rew Y and Jordan, Michael I, month = jan, year = 2003, pages = 993 - -1022

2016, doi = 10.3386/w21633, pages = 1593 - -1636

Bier, Daviam anang, Anarew ana Joraan, Michaell, month = jan, year = 2003, pages = 993 - -1022@incollectionmcauliffe_s $upervised_2008$, title = SupervisedTopicModels, url = http://papers.nips.cc/paper/3328 - -1022

 $\label{eq:constraint} \begin{subarray}{l} @\text{mconlectionmcauliffe}_{s} upervisea_{2}008, title = Supervisea_{1} opicModels, url = nttp://papers.nips.cc/paper/3328-AdvancesinNeuralInformationProcessingSystems20, publisher = CurranAssociates, Inc., author = Mcauliffe, Jon Platt, J.C. andKoller, D. andSinger, Y. andRoweis, S.T., year = 2008, pages = 121 - -128, file = NIPSFullTextPDF:$

@articlegrimmer_bayesian_2010, title = ABayesianHierarchicalTopicModel for PoliticalTexts : MeasuringExpress 18, shorttitle = ABayesianHierarchicalTopicModel for PoliticalTexts, <math>url = https : //papers.ssrn.com/abstract = 15e Politicalscientistslackmethodstoef ficiently measure the priorities political actors emphasize instatements. To address this 1, <math>urldate = 2017 - 10 - 07, journal = PoliticalAnalysis, author = Grimmer, Justin, year = 2010, $keywords = \blacksquare$

SSRN, A Bayesian Hierarchical Topic Model for Political Texts: Measuring Expressed Agendas in Senate Press Release 1--35, file = Snapshot: /Users/Franzi/Zotero/storage/3QRF5PHE/papers.html: text/html

@articlepritchard_inference_2000, title = Inference of population structure using multilocus genotypedata, volume = 155, issn = 0016 - 6731, abstract = We describe a model - based clustering method for using multilocus genotypedata to infeng, number = <math>2, journal = Genetics, author = Pritchard, J.K. and Stephens, M. and Donnelly, P., month = 1000, models = 1000, models

 $@inproceedingstaddy_e stimation_2012, title = One stimation and selection for topic models, book title = Proceedings of Taddy, Matt, year = 2012$

 $\begin{aligned} & @ \text{articleairoldi}_{r} e conceptualizing_{2}010, title = Reconceptualizing the classification of PNAS articles, volume = 107, issn = 0027 - 8424, 1091 - 6490, url = http://www.pnas.org/content/107/49/20899, doi = 10.1073/pnas.1013452. PNAS article classification is rooted in long - standing disciplinary divisions that do not necessarily reflect the structure of en, number = 49, url date = 2017 - 10 - 07, journal = Proceedings of the National Academy of Sciences, author = 10.1073/pnas.1013452. Airoldi, Edoardo M. and Erosheva, Elena A. and Fienberg, Stephen E. and Joutard, Cyrille and Love, Tanzy and Shring armound for the proceeding of the National Academy of Sciences, author = 10.1078953, keywords = textanalysis, hierarchical modeling, Monte Carlo Markov chain, variation 20899 - 20904, file = Full Text PDF:/Users/Franzi/Zotero/storage/3HPSSBQ2/Airoldietal. - 2010 - Reconceptualizing the classification of PNAS articles, volume = 10.1073/pnas.1013452. PNAS articles are conceptualized to the proceeding to the proceeding of the National Academy of Sciences, author = 10.1073/pnas.1013452. PNAS articles are conceptualized to the proceeding to$

 $@inproceedingsblei_{d}ynamic_{2}006, address = NewYork, NY, USA, series = ICML'06, title = DynamicTopicModels \\ 978-1-59593-383-6, url = http://doi.acm.org/10.1145/1143844.1143859, doi=10.1145/1143844.1143859, abstractionally of probabilistic times eries models is developed to analyze the time evolution of topic sin large document collections. The Proceedings of the 23rd International Conference on Machine Learning, publisher = ACM, author = Blei, David M. and 2006, pages = 113-120 \\ \\$

 $@ article grimmer_text_2013, title = TextasData: The Promise and Pitfalls of Automatic Content Analysis Methods for 21, short title = TextasData, journal = Political Analysis, author = Grimmer, Justinand Stewart, Brandon, year = 2013, pages = 267 - -297, file = TextasDataThe Promise and Pitfalls of Automatic Content Analysis Methods for Political Analysis Methods for$

 $@inproceedings roberts_s tructural_2013, title = The Structural Topic Model and Applied Social Science, book title = \blacksquare Advances in Neural Information Processing Systems Workshop on Topic Models : Computation, Application, and Evaluar Roberts, Margaretand Stewart, Brandon and Tingley, Dustin and Airoldi, Edoardo, year = 2013, file = The Structural Topic Models : Computation, Application, and Evaluar Roberts, Margaretand Stewart, Brandon and Tingley, Dustin and Airoldi, Edoardo, year = 2013, file = The Structural Topic Models : Computation, Application, and Evaluar Roberts, Margaretand Stewart, Brandon and Tingley, Dustin and Airoldi, Edoardo, year = 2013, file = The Structural Topic Models : Computation, Application, and Evaluar Roberts, Margaretand Stewart, Brandon and Tingley, Dustin and Airoldi, Edoardo, year = 2013, file = The Structural Topic Models : Computation, Application, and Evaluar Roberts, Margaretand Stewart, Brandon and Tingley, Dustin and Airoldi, Edoardo, year = 2013, file = The Structural Topic Models : Computation, Application, Applic$

@incollectionsocher_bayesian_2009, title = ABayesianAnalysisofDynamicsinFreeRecall, url = http://papers.nipsAdvancesinNeuralInformationProcessingSystems22, publisher = CurranAssociates, Inc., author = Socher, Richard Bengio, Y.andSchuurmans, D.andLafferty, J.D.andWilliams, C.K.I.andCulotta, A., year = 2009, pages = 1714 - -1722, file = NIPSFullTextPDF: /Users/Franzi/Zotero/storage/JQWKTPGH/Socheretal. - 2009 - AB

 $\begin{tabular}{l} @article roberts_model_2016, title = AModel of Text for Experimentation in the Social Sciences, volume = $111, issn = 0162-1459, url = http://dx.doi.org/10.1080/01621459.2016.1141684, doi=10.1080/01621459.2016.114168 Statistical models of text have become increasingly popular instatistics and computer science as a method of exploring large doi: 515, journal = Journal of the American Statistical Association, author = Roberts, Margaret E. and Stewart, Brandon M. jul, year = 2016, keywords = text analysis, Causal inference, Experimentation, High-dimensional inference, Social: 988-1003, file = Snapshot: /Users/Franzi/Zotero/storage/ZMEDWA9E/01621459.2016.html: text/html \end{tabular}$

```
@bookairoldi<sub>h</sub> and book_2014, title = Hand book of mixed membership models and their applications, <math>isbn = 1
978 - 1 - 4665 - 0408 - 0, url = http://cds.cern.ch/record/1974849, abstract = Inresponse to scientific needs for more than the scientific needs for the scientific needs 
2017 - 10 - 12, publisher = Taylor and Francis, author = Airoldi, Edoardo M. and Erosheva, Elena A. and Fienberg, Step A. and Fienberg, 
2014, file = Snapshot: /Users/Franzi/Zotero/storage/P7XE3MF4/1974849.html: text/html/storage/P7XE3MF4/1974849.html: text/html/storage/P7XE3MF4/1974849.html. \\
                                                    @inproceedingsmishler_u sing_2 015, series = Communications in Computer and Information Science, title = \blacksquare
Using Structural Topic Modeling to Detect Events and Cluster Twitter Users in the Ukrainian Crisis, is bn=978-3-319
https: //link.springer.com/chapter/10.1007/978 - 3 - 319 - 21380 - 4_108, doi = 10.1007/978 - 3 - 319 - 21380 - 4_108, doi = 10.1007/978 - 3 - 319 - 21380 - 4_108, doi = 10.1007/978 - 3 - 319 - 21380 - 4_108, doi = 10.1007/978 - 3 - 319 - 21380 - 4_108, doi = 10.1007/978 - 3 - 319 - 21380 - 4_108, doi = 10.1007/978 - 3 - 319 - 21380 - 4_108, doi = 10.1007/978 - 3 - 319 - 21380 - 4_108, doi = 10.1007/978 - 3 - 319 - 21380 - 4_108, doi = 10.1007/978 - 3 - 319 - 21380 - 4_108, doi = 10.1007/978 - 3 - 319 - 21380 - 4_108, doi = 10.1007/978 - 3 - 319 - 21380 - 4_108, doi = 10.1007/978 - 3 - 319 - 21380 - 4_108, doi = 10.1007/978 - 3 - 319 - 21380 - 4_108, doi = 10.1007/978 - 3 - 319 - 21380 - 4_108, doi = 10.1007/978 - 3 - 319 - 21380 - 4_108, doi = 10.1007/978 - 3 - 319 - 21380 - 4_108, doi = 10.1007/978 - 3 - 319 - 21380 - 4_108, doi = 10.1007/978 - 3 - 319 - 21380 - 4_108, doi = 10.1007/978 - 3 - 319 - 21380 - 4_108, doi = 10.1007/978 - 3 - 319 - 21380 - 4_108, doi = 10.1007/978 - 3 - 319 - 21380 - 4_108, doi = 10.1007/978 - 3 - 319 - 21380 - 4_108, doi = 10.1007/978 - 3 - 319 - 21380 - 4_108, doi = 10.1007/978 - 3 - 319 - 21380 - 4_108, doi = 10.1007/978 - 3 - 319 - 21380 - 4_108, doi = 10.1007/978 - 3 - 319 - 21380 - 4_108, doi = 10.1007/978 - 3 - 319 - 21380 - 4_108, doi = 10.1007/978 - 3 - 319 - 21380 - 4_108, doi = 10.1007/978 - 3 - 310 - 21380 - 4_108, doi = 10.1007/978 - 4_10.1007/978 - 4_10.1007/978 - 4_10.1007/978 - 4_10.1007/978 - 4_10.1007/978 - 4_10.1007/978 - 4_10.1007/978 - 4_10.1007/978 - 4_10
Structural topic modeling (STM) is a recently introduced technique to model how the content of a collection of documents change the structural topic model in the structural topic model
en, urldate = 2017 - 10 - 12, booktitle = HCIInternational 2015 - PostersExtended Abstracts, publisher = \blacksquare
Springer, Cham, author = Mishler, Alanand Crabb, Erin Smith and Paletz, Susannah and Hefright, Brook and Golonka, Susannah a
aug, year = 2015, pages = 639 - -644, file = Full TextPDF: /Users/Franzi/Zotero/storage/ACUCPA8U/Mishlered (Science of the Control of the C
                                                    @articlegriffiths finding_2004, title = Finding scientific topics, volume = 101, issn = 0027 - 8424, 1091 - 6490, url = 1000
http://www.pnas.org/content/101/suppl_1/5228, doi=10.1073/pnas.0307752101, abstract=A first step in identifying the state of the stat
en, number = suppl1, urldate = 2017 - 10 - 12, journal = Proceedings of the National Academy of Sciences, author = 1000 and 1000 are suppled to the National Academy of Sciences and 1000 are suppled to the National Academy of Sciences and 1000 are suppled to the National Academy of Sciences and 1000 are suppled to the National Academy of Sciences and 1000 are suppled to the National Academy of Sciences and 1000 are suppled to the National Academy of Sciences and 1000 are suppled to the National Academy of Sciences and 1000 are suppled to the National Academy of Sciences and 1000 are suppled to the National Academy of Sciences and 1000 are suppled to the National Academy of Sciences and 1000 are suppled to the National Academy of Sciences and 1000 are suppled to the National Academy of Sciences and 1000 are suppled to the National Academy of Sciences and 1000 are suppled to the National Academy of Sciences and 1000 are suppled to the National Academy of Sciences and 1000 are suppled to the National Academy of Sciences and 1000 are suppled to the National Academy of Sciences and 1000 are suppled to the National Academy of Sciences and 1000 are suppled to the National Academy of Sciences and 1000 are suppled to the National Academy of Sciences and 1000 are suppled to the National Academy of Sciences and 1000 are suppled to the National Academy of Sciences and 1000 are suppled to the National Academy of Sciences and 1000 are suppled to the National Academy of Sciences and 1000 are suppled to the National Academy of Sciences and 1000 are suppled to the National Academy of Sciences and 1000 are suppled to the National Academy of Sciences and 1000 are suppled to the National Academy of Sciences and 1000 are suppled to the National Academy of Sciences and 1000 are suppled to the National Academy of Sciences and 1000 are suppled to the National Academy of Sciences and 1000 are suppled to the National Academy of Sciences and 1000 are suppled to the National Academy of Sciences and 1000 are suppled to the National Academ
Full TextPDF: /Users/Franzi/Zotero/storage/9P87NGIJ/Griffith sund Steyvers-2004-Finding scientific topic of the property of 
                                                    @articleerosheva_mixed-membership_2004, title = Mixed-membershipmodels of scientific publications, volume =
101, issn = 0027 - 8424, 1091 - 6490, url = http://www.pnas.org/content/101/suppl_1/5220, doi = 10.1073/pnas.03077, issue the content of th
 PNA Sisone of world's most cited multidisciplinary scientific journals. The PNA Sofficial classification structure of subject to the property of the propert
en, number = suppl1, urldate = 2017 - 10 - 12, journal = Proceedings of the National Academy of Sciences, author = \blacksquare
 5220 - -5227, file = Full TextPDF: /Users/Franzi/Zotero/storage/QX4H27E9/Eroshevaetal. -2004 - Mixed - -2004 - -2004 - -2004
                                                  @articlegenkin_{l}arge-scale_{2}007, title=Large-Scale Bayesian Logistic Regression for Text Categorization, volume and the contract of the 
49, issn = 0040 - 1706, url = http: //dx.doi.org/10.1198/004017007000000245, doi = 10.1198/004017007000000245, abstraction and the state of the control of
 Logistic regression analysis of high-dimensional data, such a snatural language text, poses computational and statistical contents of the property of the pr
3, journal = Technometrics, author = Genkin, Alexander and Lewis, David D. and Madigan, David, month = \blacksquare
aug, year = 2007, keywords = Information retrieval, Lasso, Penalization, Ridgeregression, Support vector classifier, Value of the Computation of
291 - -304, file = Full TextPDF: /Users/Franzi/Zotero/storage/9JI658VW/Genkinetal. - 2007 - Large - Scale Information of the control of the
```

 $idytext, doi = 10.21105/joss.00037, journal = The Journal of Open Source Software, author = Silge, Julia and Robinson jul, year = 2016, file = Snapshot: /Users/Franzi/Zotero/storage/KBIXHDAH/305219559_tidytext_{Text_Mining_and_and_and_beautiful} (2016) and (2016$

 $10.1145/1367497.1367510, abstract = This paper presents a general framework for building classi-fiers that deal with shown that the proceedings of the 17th International World Wide Web Conference (WWW 2008), author = Phan, Xuan - Hieu and Nguy jan, year = 2008, pages = 91 - -100, file = Snapshot: /Users/Franzi/Zotero/storage/SP33XWPF/221023426_Lear in the conference of the proceeding spiral and the conference of the conf$

 $@articleschiller_{d}evelopment_{2}016, title = Development of the Social Network Usage in Germany since 2012, journal = Working Paper TUD armstadt, author = Schiller, Benjamin and Heimbach, Irina and Strufe, Thorsten and Hinz, Oliver 2016$

@articlebholat $_text_2$ 015, title = TextMiningforCentralBanks, issn = 1556 - 5068, url = http://www.academia.ee Althoughoftenappliedinothersocialsciences, textmininghasbeenless frequently used ineconomics and in policycircles, par 2017 - 11 - 06, <math>journal = SSRNElectronicJournal, author = Bholat, DavidM.andHansen, StephenandSantos, Pedrojun, year = 2015, $file = Snapshot:/Users/Franzi/Zotero/storage/J462FFQU/Text_miningfor_central_banks.html:t$

```
Proceedings of the Eight eenth Conference on Uncertainty in Artificial Intelligence, publisher = Morgan Kaufmann Publisher, Thomas and Lafferty, John, year = 2002, pages = 352 - -359
```

 $@ article roberts_stm: 2016, title = stm: RPackage for Structural Topic Models, volume = for the coming, short title = stm, journal = Journal of Statistical Software, author = Roberts, Margaretand Stewart, Brandon and Tingley, Dustin jan, year = 2016, file = stmRPackage for Structural Topic Models | Dustin Tingley: |Users/Franzi/Zotero/storage/Fra$

@incollectionroberts_navigating_2016, address = NewYork, title = NavigatingtheLocalModesofBigData : TheCase ComputationalSocialScience : DiscoveryandPrediction, publisher = <math>CambridgeUniversityPress, $author = \blacksquare$ Roberts, MargaretandStewart, BrandonandTingley, Dustin, year = 2016, file = NavigatingtheLocalModesofBigData : TheCase ComputationalSocialScience : DiscoveryandPrediction, publisher = <math>CambridgeUniversityPress, $author = \blacksquare$ Roberts, MargaretandStewart, BrandonandTingley, Dustin, year = 2016, file = NavigatingtheLocalModesofBigData : TheCase ComputationalSocialScience : DiscoveryandPrediction, publisher = <math>CambridgeUniversityPress, $Author = \blacksquare$ Roberts, $Author = \blacksquare$ Roberts, Author =

 $@ article baturo_w hat_2017, title = What Drives the International Development Agenda? An NLP Analysis of the United What Drives the International Development Agenda?, url = http://arxiv.org/abs/1708.05873, abstract = There is surprisingly little known about agenda setting for international development in the United Nations (UN) despite it has arXiv: 1708.05873 [cs], author = Baturo, Alexander and Dasandi, Niheer and Mikhaylov, Slava J., month = aug, year = 2017, note = arXiv: 1708.05873, keywords = Computer Science - Computation and Language, Computer ScarXiv1708.05873 PDF: /Users/Franzi/Zotero/storage/FSRGQVHA/Baturo et al. - 2017 - What Drives the International Development Agenda? An NLP Analysis of the United What Drives the United What Driv$

 $\begin{aligned} & @ \text{articlehaixia}_e x tracting_2 016, title = Extracting Topics of Computer Science Literature with LDAM odel, Extracting 32, issn = 2096 - 3467, url = http:://manu44.magtech.com.cn/Jwk_infotech_wk3/EN/abstract/abstract4288.shtml, down 10.11925/infotech.1003 - 3513.2016.11.03, language = cn, number = 11, urldate = 2017 - 11 - 09, journal = DataAnalysis and Knowledge Discovery, author = Haixia, Yangand Baojun, Gaoand Hanlin, Sunand Haixia, Yangand dec, year = 2016, pages = 20 - -26, file = Full TextPDF: /Users/Franzi/Zotero/storage/PR58B4CK/Haixiaetal. \end{aligned}$

 $\begin{aligned} & @ \text{articled} \text{as}_t rends_2 017, title = TrendsinTransportationResearch, volume} = 2614, issn = 0361-1981, url = 1614, ttp: //trrjournalonline.trb.org/doi/abs/10.3141/2614-04, doi=10.3141/2614-04, abstract = Proceedingsof journ TransportationResearchRecord: Journalof the TransportationResearchBoard, author = Das, SubasishandDixon, Kojan, year = 2017, pages = 27-38, file = Snapshot: /Users/Franzi/Zotero/storage/FTII7NXR/2614-04.html: //trrjournalof transportationResearchBoard, author = Das, SubasishandDixon, Kojan, year = 2017, pages = 27-38, file = Snapshot: /Users/Franzi/Zotero/storage/FTII7NXR/2614-04.html: //trrjournalof transportationResearchBoard, author = Das, SubasishandDixon, Kojan, year = 2017, pages = 27-38, file = Snapshot: /Users/Franzi/Zotero/storage/FTII7NXR/2614-04.html : //trrjournalof transportationResearchBoard, author = Das, SubasishandDixon, Kojan, year = 2017, pages = 27-38, file = Snapshot: /Users/Franzi/Zotero/storage/FTII7NXR/2614-04.html : //trrjournalof transportationResearchBoard, author = Das, SubasishandDixon, Kojan, year = 2017, pages = 27-38, file = Snapshot: /Users/Franzi/Zotero/storage/FTII7NXR/2614-04.html : //trrjournalof transportationResearchBoard, which is substituted for the page of the$

 $@ article roberts_s tructural_2 014, title = Structural Topic Models for Open - Ended Survey Responses, volume = 1.58, issn = 1540 - 5907, url = http://onlinelibrary.wiley.com/doi/10.1111/ajps.12103/abstract, doi = 10.1111/ajps.12103/abstract, doi = 10.1111/$

@articlelucas_computer_2015, title = Computerassisted text analysis for comparative politics, volume = 23 number = 2 journal = Political Analysis author = Lucas Christopher and Nielsen, Bichard and Roberts

 $23, number = 2, journal = Political Analysis, author = Lucas, Christopherand Nielsen, Richard and Roberts, Margaret 2015, pages = 254 - -277, file = Computer assisted text analysis for comparative politics | Dustin Tingley : | Users | France (Quech report mueller_reading_2016, address = Rochester, NY, type = SSRNS cholarly Paper, title = Reading between the page of the page$

Reading between the Lines, url = https://papers.ssrn.com/abstract = 2843535, abstract = This article provides a new metabolic provides and the lines and the lines are strongly like the lines and the lines are strongly like the lines and the lines are lines are lines are lines and the lines are lines are lines are lines are lines and the lines are lin

```
en, number = 1, urldate = 2017 - 11 - 09, journal = Proceedings of the National Acade my of Sciences, author = \blacksquare 1, urldate = 2017 - 11 - 09, journal = Proceedings of the National Acade my of Sciences, author = \blacksquare 1, urldate = 2017 - 11 - 09, journal = Proceedings of the National Acade my of Sciences, author = \blacksquare 1, urldate = 2017 - 11 - 09, journal = Proceedings of the National Acade my of Sciences, author = \blacksquare 1, urldate = 2017 - 11 - 09, journal = Proceedings of the National Acade my of Sciences, author = \blacksquare 1, urldate = 2017 - 11 - 09, journal = Proceedings of the National Acade my of Sciences, author = \blacksquare 1, urldate = 2017 - 11 - 09, journal = Proceedings of the National Acade my of Sciences, author = \blacksquare 1, urldate = 2017 - 11 - 09, journal = Proceedings of the National Acade my of Sciences, author = 1, urldate = 2017 - 11 - 09, journal = Proceedings of the National Acade my of Sciences, author = 2017 - 11 - 09, journal = 2017 - 00, journal = 2017 - 10, journal = 20
  Farrell, Justin, month = may, year = 2016, pmid = 26598653, keywords = politics, funding, polarization, computation, polarization, computation, polarization, computation, polarization, computation, polarization, polarization, polarization, computation, polarization, polarization,
92 - -97, file = Full TextPDF: /Users/Franzi/Zotero/storage/8M3IS9E4/Farrell - 2016 - Corporate funding an interpretation of the composition o
                                                                   @articlereich_{c}omputer-assisted_{2}014, title = Computer-AssistedReading and Discovery for Student Generated Texture Textu
2, copyright = Copyright(c), issn = 1929 - 7750, url = http://www.learning-analytics.info/journals/index.php/J
10.18608/jla. 2015. 21.8, abstract = Dealing with the vast quantities of text that students generate in Massive Open Online College (School) and the property of the propert
en, number = 1, urldate = 2017 - 11 - 09, journal = Journal of Learning Analytics, author = Reich, Justinand Tingley, and Tingley, an
nov, year = 2014, keywords = textanalysis, Massive Open Online Courses, topic modelling, computer assisted reading, policy of the contract o
  156 - -184, file = Full TextPDF: /Users/Franzi/Zotero/storage/BPWP7FIR/Reichetal. - 2014 - Computer - All Full TextPDF - All 
                                                               @incollection gabszewicz_media_2015, series = Handbook on the economics of the media. - Cheltenham, UK: Edward Edward Edward Gabsan and Gabsa
Mediaas multi-sided platforms, language=eng, book title=Handbook on the economics of the media, author=
  Gabszewicz, Jean Jaskold and Resende, Joan aand Sonnac, Nathalie, year = 2015, file = Mediaas multi-sided platform for the following properties of the following propert
                                                               @inproceedingsmimno_{o}ptimizing_{2}011, address = Stroudsburg, PA, USA, series = EMNLP'11, title = IRA = IR
Optimizing Semantic Coherence in Topic Models, is bn = 978 - 1 - 937284 - 11 - 4, url = http://dl.acm.org/citation.ca
  Latent variable model shave the potential to add value to large document collections by discovering interpretable, low-dimensional content of the potential to add value to large document collections by discovering interpretable, low-dimensional content of the potential to add value to large document collections by discovering interpretable, low-dimensional content of the potential to add value to large document collections by discovering interpretable, low-dimensional collections by discovering interpretable collections by discovering the large document collections by disco
  Proceedings of the Conference on Empirical Methods in Natural Language Processing, publisher = Association for Comparison Foundation for Comparison Foundation for Comparison Foundation for Comparison Foundation Foundat
  Mimno, David and Wallach, Hanna M. and Talley, Edmund and Leenders, Miriam and McCallum, And rew, year = 1
2011, pages = 262 - -272, file = ACMFullTextPDF: /Users/Franzi/Zotero/storage/758M9D8V/Mimnoetal. -2011, pages = 262 - -272, file = ACMFullTextPDF: /Users/Franzi/Zotero/storage/758M9D8V/Mimnoetal. -2011, pages = 262 - -272, file = ACMFullTextPDF: /Users/Franzi/Zotero/storage/758M9D8V/Mimnoetal. -2011, pages = 262 - -272, file = ACMFullTextPDF: /Users/Franzi/Zotero/storage/758M9D8V/Mimnoetal. -2011, pages = 262 - -272, file = ACMFullTextPDF: /Users/Franzi/Zotero/storage/758M9D8V/Mimnoetal. -2011, pages = 262 - -272, file = ACMFullTextPDF: /Users/Franzi/Zotero/storage/758M9D8V/Mimnoetal. -2011, pages = 262 - -272, file = ACMFullTextPDF: /Users/Franzi/Zotero/storage/758M9D8V/Mimnoetal. -2011, pages = 262 - -272, file = ACMFullTextPDF: /Users/Franzi/Zotero/storage/758M9D8V/Mimnoetal. -2011, pages = 262 - -272, file = ACMFullTextPDF: /Users/Franzi/Zotero/storage/758M9D8V/Mimnoetal. -2011, pages = 262 - -272, file = ACMFullTextPDF: /Users/Franzi/Zotero/storage/758M9D8V/Mimnoetal. -2011, pages = 262 - -272, file = ACMFullTextPDF: /Users/Franzi/Zotero/storage/758M9D8V/Mimnoetal. -2011, pages = 262 - -272, file = ACMFullTextPDF: /Users/Franzi/Zotero/storage/758M9D8V/Mimnoetal. -2011, pages = 262 - -272, file = ACMFullTextPDF: /Users/Franzi/Zotero/storage/758M9D8V/Mimnoetal. -2011, pages = 262 - -272, pages = 262
                                                               @inproceedingswei_l da-based_2006, address=NewYork, NY, USA, series=SIGIR'06, title=LDA-basedDocum, Signature and Signature an
978 - 1 - 59593 - 369 - 0, url = http://doi.acm.org/10.1145/1148170.1148204, doi = 10.1145/1148170.1148204, abstraction abstraction of the control of the 
Search algorithms in corporating some form of topic model have along history in information retrieval. For example, cluster and the state of the s
  Proceedings of the 29th Annual International ACM SIGIR Conference on Research and Development in Information Retractions and the proceedings of the SIGIR Conference on Research and Development in Information Retractions and the SIGIR Conference on Research and Development in Information Retractions and the SIGIR Conference on Research and Development in Information Retraction Retraction Retractions and the SIGIR Conference on Research and Development in Information Retraction R
  ACM, author = Wei, Xing and Croft, W.Bruce, year = 2006, keywords = Information retrieval, topic model, document
                                                               @inproceedings wallach_{e} valuation_{2}009, address = NewYork, NY, USA, series = ICML'09, title = Evaluation Methods and the series of the 
978 - 1 - 60558 - 516 - 1, url = http://doi.acm.org/10.1145/1553374.1553515, doi = 10.1145/1553374.1553515, abstration = 10.1145/1553374, abstration = 10.1145/1553515, abstration = 10.1145/1553515, abstration = 10.1145/1553515, abstration = 10.11
  A natural evaluation metric for statistical topic models is the probability of held-outdocuments given a trained model. While the probability of held-outdocuments given a trained model. While the probability of held-outdocuments given a trained model of the probability of held-outdocuments given a trained model. While the probability of held-outdocuments given a trained model of the probability of held-outdocuments given a trained model. While the probability of held-outdocuments given a trained model of the probability of held-outdocuments given a trained model. While the probability of held-outdocuments given a trained model of the probability of held-outdocuments given a trained model of the probability of held-outdocuments given a trained model of the probability of held-outdocuments given a trained model of the probability of held-outdocuments given a trained model of the probability of held-outdocuments given a trained model of the probability of held-outdocuments given a trained model of the probability of held-outdocuments given a trained model of the probability of held-outdocuments given a trained model of the probability of held-outdocuments given a trained model of the probability of held-outdocuments given a trained model of the probability of held-outdocuments given a trained model of the probability of held-outdocuments given a trained model of the probability 
  Wallach, Hanna M. and Murray, Iain and Salakhut dinov, Ruslan and Mimno, David, year = 2009, pages = 20000, pages = 2000, pages = 2000, pages = 20000, pages = 20000, pa
1105 - -1112
                                                               @incollection chang_reading_2009, title = ReadingTeaLeaves: How HumansInterpretTopicModels, short title = \blacksquare Annual Normal Norm
Reading TeaLeaves, url = http://papers.nips.cc/paper/3700 - reading - tea - leaves - how - humans - interpret - leaves - how - humans - 
  Advances in Neural Information Processing Systems 22, publisher = Curran Associates, Inc., author = Chang, Jonathan Advances in Neural Information Processing Systems 22, publisher = Curran Associates, Inc., author = Chang, Jonathan Advances in Neural Information Processing Systems 22, publisher = Curran Associates, Inc., author = Chang, Jonathan Advances in Neural Information Processing Systems 22, publisher = Curran Associates, Inc., author = Chang, Jonathan Advances in Neural Information Processing Systems 22, publisher = Curran Associates, Inc., author = Chang, Jonathan Advances in Neural Information Processing Systems 22, publisher = Curran Associates, Inc., author = Chang, Inc., author = 
  Bengio, Y. and Schuurmans, D. and Lafferty, J.D. and Williams, C.K. I. and Culotta, A., year = 2009, pages = \blacksquare
288 - -296, file = NIPSFullTextPDF: /Users/Franzi/Zotero/storage/UUPBMREK/Changetal. <math>-2009 - Readition = 1000
                                                               @inproceedingsblei_{l} a tent_{2}001, address = Cambridge, MA, USA, series = NIPS'01, title = Latent Dirichlet Allocation and the series of 
http://dl.acm.org/citation.cfm? id=2980539.2980618, abstract=We propose agenerative model for text and other collections of the propose agenerative model for the propose agen
```

113, issn = 0027 - 8424, 1091 - 6490, url = http://www.pnas.org/content/113/1/92, doi=10.1073/pnas.1509433112, and the state of the s

Proceedings of the 14th International Conference on Neural Information Processing Systems: Natural and Synthetic, published the Natural Synthetic and Natural Synthetic, published the Natural Synthetic and Natural Synth

 $@ articleblei_n ested_2007, title = The nested Chineser estaurant process and Bayesian non parametric inference of topic like the process of the process$

 $@ article griffiths_p robabilistic_2 002, title = A probabilistic approach to semantic representation, volume = 24, url = https://escholarship.org/uc/item/44x9v7m7, number = 24, url date = 2017 - 11 - 16, journal = Proceedings of the Annual Meeting of the Cognitive Science Society, author = Griffiths, Thomas L. and Steyvers, Mark, jan, year = 2002, file = Full Text PDF:/Users/Franzi/Zotero/storage/6EQ8VAJR/Griffiths und Steyvers - 2002$

```
@techreportheinrich_parameter_2004, title = Parameter estimation for text analysis, abstract = Abstract. Presents parameter 
  Heinrich, Gregor, year = 2004, file = Citeseer - Full TextPDF: /Users/Franzi/Zotero/storage/PTHWFSPM/Heinrich, Gregor, year = 2004, file = Citeseer - Full TextPDF: /Users/Franzi/Zotero/storage/PTHWFSPM/Heinrich, Gregor, year = 2004, file = Citeseer - Full TextPDF: /Users/Franzi/Zotero/storage/PTHWFSPM/Heinrich, Gregor, year = 2004, file = Citeseer - Full TextPDF: /Users/Franzi/Zotero/storage/PTHWFSPM/Heinrich, Gregor, year = 2004, file = Citeseer - Full TextPDF: /Users/Franzi/Zotero/storage/PTHWFSPM/Heinrich, Gregor, year = 2004, file = Citeseer - Full TextPDF: /Users/Franzi/Zotero/storage/PTHWFSPM/Heinrich, Gregor, year = 2004, file = Citeseer - Full TextPDF: /Users/Franzi/Zotero/storage/PTHWFSPM/Heinrich, year = 2004, file = Citeseer - Full TextPDF: /Users/Franzi/Zotero/storage/PTHWFSPM/Heinrich, year = 2004, file = Citeseer - Full TextPDF: /Users/Franzi/Zotero/storage/PTHWFSPM/Heinrich, year = 2004, file = Citeseer - Full TextPDF: /Users/Franzi/Zotero/storage/PTHWFSPM/Heinrich, year = 2004, file = Citeseer - Full TextPDF: /Users/Franzi/Zotero/storage/PTHWFSPM/Heinrich, year = 2004, file = Citeseer - Full TextPDF: /Users/Franzi/Zotero/storage/PTHWFSPM/Heinrich, year = 2004, file = Citeseer - Full TextPDF: /Users/Franzi/Zotero/storage/PTHWFSPM/Heinrich, year = 2004, file = Citeseer - Full TextPDF: /Users/Franzi/Zotero/storage/PTHWFSPM/Heinrich, year = 2004, file = 2004, 
                                                      @incollections teyvers_p robabilistic_2006, title = ProbabilisticTopicModels, booktitle = LatentSemanticAnalysis: An algorithm of the probabilistic probab
  Laurence Erlbaum, author = Steyvers, Markand Griffiths, Thomas L., editor = Landauer, L. and Mcnamara, D. and Delta a
2006
                                                        @incollectionhoffman_online_2010, title = OnlineLearning for Latent Dirichlet Allocation, url = http://papers.nips.
Advances in Neural Information Processing Systems 23, publisher = Curran Associates, Inc., author = Hoffman, Mathematical Foundation Foundati
Lafferty, J.D. and Williams, C.K.I. and Shawe-Taylor, J. and Zemel, R.S. and Culotta, A., year=2010, pages=
856 - -864, file = NIPSFullTextPDF: /Users/Franzi/Zotero/storage/E3N5REJ7/Hoffmanetal. - 2010 - Online of the control of the
                                                      978 - 3 - 642 - 05223 - 1, url = http://dx.doi.org/10.1007/978 - 3 - 642 - 05224 - 8_6, doi = 10.1007/978 - 3 - 642 - 05224 - 8_6, doi = 10.1007/978 - 3 - 642 - 05224 - 8_6, doi = 10.1007/978 - 3 - 642 - 05224 - 8_6, doi = 10.1007/978 - 3 - 642 - 05224 - 8_6, doi = 10.1007/978 - 3 - 642 - 05224 - 8_6, doi = 10.1007/978 - 3 - 642 - 05224 - 8_6, doi = 10.1007/978 - 3 - 642 - 05224 - 8_6, doi = 10.1007/978 - 3 - 642 - 05224 - 8_6, doi = 10.1007/978 - 3 - 642 - 05224 - 8_6, doi = 10.1007/978 - 3 - 642 - 05224 - 8_6, doi = 10.1007/978 - 3 - 642 - 05224 - 8_6, doi = 10.1007/978 - 3 - 642 - 05224 - 8_6, doi = 10.1007/978 - 3 - 642 - 05224 - 8_6, doi = 10.1007/978 - 3 - 642 - 05224 - 8_6, doi = 10.1007/978 - 3 - 642 - 05224 - 8_6, doi = 10.1007/978 - 3 - 642 - 05224 - 8_6, doi = 10.1007/978 - 3 - 642 - 05224 - 8_6, doi = 10.1007/978 - 3 - 642 - 05224 - 8_6, doi = 10.1007/978 - 3 - 642 - 05224 - 8_6, doi = 10.1007/978 - 3 - 642 - 05224 - 8_6, doi = 10.1007/978 - 3 - 642 - 05224 - 8_6, doi = 10.1007/978 - 3 - 642 - 05224 - 8_6, doi = 10.1007/978 - 3 - 642 - 05224 - 8_6, doi = 10.1007/978 - 3 - 642 - 05224 - 8_6, doi = 10.1007/978 - 3 - 642 - 05224 - 8_6, doi = 10.1007/978 - 3 - 642 - 05224 - 8_6, doi = 10.1007/978 - 3 - 642 - 05224 - 8_6, doi = 10.1007/978 - 3 - 642 - 05224 - 8_6, doi = 10.1007/978 - 3 - 642 - 05224 - 8_6, doi = 10.1007/978 - 10.1007/978 - 10.1007/978 - 10.1007/978 - 10.1007/978 - 10.1007/978 - 10.1007/978 - 10.1007/978 - 10.1007/978 - 10.1007/978 - 10.1007/978 - 10.1007/978 - 10.1007/978 - 10.1007/978 - 10.1007/978 - 10.1007/978 - 10.1007/978 - 10.1007/978 - 10.1007/978 - 10.1007/978 - 10.1007/978 - 10.1007/978 - 10.1007/978 - 10.1007/978 - 10.1007/978 - 10.1007/978 - 10.1007/978 - 10.1007/978 - 10.1007/978 - 10.1007/978 - 10.1007/978 - 10.1007/978 - 10.1007/978 - 10.1007/978 - 10.1007/978 - 10.1007/978 - 10.1007/978 - 10.1007/978 - 10.1007/978 - 10.1007/978 - 10.1007/978 - 10.1007/978 - 10.1007/978 - 10.1007/978 - 10.1007/978 - 10.1007/978 - 10.1007/978 - 10.1007/978 - 10.1007/978 - 10.1007/978 - 10.
Topic models are a discrete analogue toprinciple component analysis and independent component analysis that model emtopic, and the first component analysis and independent component analysis and independent component analysis. The first component analysis and independent component analysis and independent component analysis and independent component analysis. The first component analysis and independent component analysis and independent component analysis and independent component analysis. The first component analysis and independent component analysis and independent component analysis and independent component analysis. The first component analysis and independent component analysis and independent component analysis and independent component analysis. The first component analysis and independent component and independent component analysis and independent component and independent component component analy
  Proceedings of the 1st Asian Conference on Machine Learning: Advances in Machine Learning, publisher=
  Springer - Verlag, author = Buntine, Wray, year = 2009, pages = 51 - -64
                                                      @inproceedingsalsumait_topic_2009, series = LectureNotesinComputerScience, title = TopicSiqnificanceRankingo
978 - 3 - 642 - 04179 - 2978 - 3 - 642 - 04180 - 8, url = https://link.springer.com/chapter/10.1007/978 - 3 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 642 - 
10.1007/978 - 3 - 642 - 04180 - 8_2, abstract = Topic models, like Latent Dirichlet Allocation (LDA), have been recently a contract of the sum of 
en, urldate = 2017 - 11 - 16, booktitle = Machine Learning and Knowledge Discovery in Databases, publisher = 1000 and 1000 and 1000 are also as a finite contract of the con
```

Springer, Berlin, Heidelberg, author = AlSumait, LoulwahandBarbar, DanielandGentle, James and Domeniconi, Cardsep, year = 2009, pages = 67 - 82, file = Snapshot: /Users/Franzi/Zotero/storage/WCPH8XR4/10.html: text/halphareneques = 2009, pages = 67 - 82, file = Snapshot: /Users/Franzi/Zotero/storage/WCPH8XR4/10.html: text/halphareneques = 2009, pages = 67 - 82, file = Snapshot: /Users/Franzi/Zotero/storage/WCPH8XR4/10.html: text/halphareneques = 2001, pages = 262 - 272, file = ACMFullTextPDF: /Users/Franzi/Zotero/storage/8ATB9444/Mimnoetal. - 2001, pages = 262 - 272, file = ACMFullTextPDF: /Users/Franzi/Zotero/storage/8ATB9444/Mimnoetal. - 2001, pages = 262 - 272, file = ACMFullTextPDF: /Users/Franzi/Zotero/storage/8ATB9444/Mimnoetal. - 2001, pages = 262 - 272, file = ACMFullTextPDF: /Users/Franzi/Zotero/storage/8ATB9444/Mimnoetal. - 2001, pages = 262 - 272, file = ACMFullTextPDF: /Users/Franzi/Zotero/storage/8ATB9444/Mimnoetal. - 2001, pages = 262 - 272, file = ACMFullTextPDF: /Users/Franzi/Zotero/storage/8ATB9444/Mimnoetal. - 2001, pages = 262 - 272, file = ACMFullTextPDF: /Users/Franzi/Zotero/storage/8ATB9444/Mimnoetal. - 2001, pages = 262 - 272, file = ACMFullTextPDF: /Users/Franzi/Zotero/storage/8ATB9444/Mimnoetal. - 2001, pages = 262 - 272, file = ACMFullTextPDF: /Users/Franzi/Zotero/storage/8ATB9444/Mimnoetal. - 2001, pages = 262 - 272, file = ACMFullTextPDF: /Users/Franzi/Zotero/storage/8ATB9444/Mimnoetal. - 2001, pages = 262 - 272, file = ACMFullTextPDF = 2001, pages = 262 - 272, file = ACMFullTextPDF = 2001, pages = 262 - 272, file = ACMFullTextPDF = 2001, pages = 262 - 272, file = ACMFullTextPDF = 2001, pages = 262 - 272, file = 2001, pages = 262 - 272,

 $\begin{aligned} @inproceedings newman_automatic_2010, address &= Stroudsburg, PA, USA, series &= HLT'10, title &= \\ Automatic Evaluation of Topic Coherence, is bn &= 978-1-932432-65-7, url &= http://dl.acm.org/citation.cfm?id=This paper introduces the novel task of topic coherence evaluation, whereby a set of words, as generated by a topic model, is rated Human Language Technologies: The 2010 Annual Conference of the North American Chapter of the Association for Computational Linguistics, author &= Newman, David and Lau, Jey Hanand Grieser, Karland Baldwin, Table 100, pages &= 100-108, file &= ACM Full Text PDF: /Users/Franzi/Zotero/storage/QJIP655P/Newman et al. - 2010, pages &= 100-108, file &= ACM Full Text PDF: /Users/Franzi/Zotero/storage/QJIP655P/Newman et al. - 2010, pages &= 100-108, file &= ACM Full Text PDF: /Users/Franzi/Zotero/storage/QJIP655P/Newman et al. - 2010, pages &= 100-108, file &= ACM Full Text PDF: /Users/Franzi/Zotero/storage/QJIP655P/Newman et al. - 2010, pages &= 100-108, file &= ACM Full Text PDF: /Users/Franzi/Zotero/storage/QJIP655P/Newman et al. - 2010, pages &= 100-108, file &= ACM Full Text PDF: /Users/Franzi/Zotero/storage/QJIP655P/Newman et al. - 2010, pages &= 100-108, file &= ACM Full Text PDF: /Users/Franzi/Zotero/storage/QJIP655P/Newman et al. - 2010, pages &= 100-108, file &= ACM Full Text PDF &= ACM Ful$

 $@incollection wallach_rethinking_2009, title = Rethinking_LDA: WhyPriorsMatter, shorttitle = Rethinking_LDA, uhttp://papers.nips.cc/paper/3854 - rethinking - lda - why - priors - matter.pdf, booktitle = Advances in Neural Internal Sociates, Inc., author = Wallach, HannaM.andMinno, DavidM.andMcCallum, Andrew, editor = Bengio, Y.andSchuurmans, D.andLafferty, J.D.andWilliams, C.K.I.andCulotta, A., year = 2009, pages = 1973 - 1981, file = NIPSFullTextPDF: /Users/Franzi/Zotero/storage/TPHKV125/Wallachetal. - 2009 - Rethinking LDA, which is a substitute of the prior of the$

@inproceedingshofmann_probabilistic_1999, address = NewYork, NY, USA, series = SIGIR'99, title = ProbabilisticLatentSemanticIndexing, isbn = 978 - 1 - 58113 - 096 - 6, url = http://doi.acm.org/10.1145/312624.3126124.31262424.312624.312624.312624.312624.312624.312

 $@article deer wester_indexing_1990, title = Indexing by latent semantic analysis, volume = 41, abstract = \\ An ew method for automatic indexing and retrieval is described. The approach is totake advantage of implicit higher-orderst$

```
The Review of Economic Studies, author = Corden, W.M., year = 1952, pages = 181 - -190
                                                        @articlegustafsson<sub>c</sub>irculation<sub>1</sub>978, title = The circulation spiral and the principle of household coverage, <math>volume = \blacksquare
26, issn = 0358 - 5522, url = https://doi.org/10.1080/03585522.1978.10407893, doi = 10.1080/03585522.1978.10407893, doi = 10.1080/03585522.1978.1040789, doi = 10.1080/0358522.1978.1040789, doi = 10.1080/0358622.1040789, doi = 10.1080/0358620, doi = 10.1080/035860, doi = 10.1080/0360, doi = 10.1080/0360, doi = 10.1080/0360, doi = 10.1080/0360, doi = 10
The growth of oligopoly within the new spaper industry is a wide spread phenomenon which has been examined by both research and the property of the property
1, journal = Scandinavian Economic History Review, author = Gustafsson, Karl Erik, month = jan, year = 1
 1978, pages = 1 - -14, file = Snapshot: /Users/Franzi/Zotero/storage/D8TJWJWK/03585522.1978.html: text/html: text/html:
                                                      @articleblair_pricing_1993, title = PricingDecisions of the Newspaper Monopolist, volume = 59, is sn =
0038 - 4038, url = http://www.jstor.org/stable/1059734, doi = 10.2307/1059734, number = 4, journal = 10.2307/1059734
 Southern Economic Journal, author = Blair, Roger D. and Romano, Richard E., year = 1993, pages = 721 - -732 \blacksquare 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 10
                                                    @articleevans_empirical_2003, title = Some Empirical Aspects of Multi-sided Platform Industries, volume = \blacksquare Some Empirical Aspects of Multi-sided Platform Industries, volume = \blacksquare Some Empirical Aspects of Multi-sided Platform Industries, volume = \blacksquare Some Empirical Aspects of Multi-sided Platform Industries, volume = \blacksquare Some Empirical Aspects of Multi-sided Platform Industries, volume = \blacksquare Some Empirical Aspects of Multi-sided Platform Industries, volume = \blacksquare Some Empirical Aspects of Multi-sided Platform Industries, volume = \blacksquare Some Empirical Aspects of Multi-sided Platform Industries, volume = \blacksquare Some Empirical Aspects of Multi-sided Platform Industries, volume = \blacksquare Some Empirical Aspects of Multi-sided Platform Industries, volume = \blacksquare Some Empirical Aspects of Multi-sided Platform Industries, volume = \blacksquare Some Empirical Aspects of Multi-sided Platform Industries, volume = \blacksquare Some Empirical Aspects of Multi-sided Platform Industries, volume = \blacksquare Some Empirical Aspects of Multi-sided Platform Industries, volume = \blacksquare Some Empirical Aspects of Multi-sided Platform Industries, volume = \blacksquare Some Empirical Aspects of Multi-sided Platform Industries, volume = \blacksquare Some Empirical Aspects of Multi-sided Platform Industries, volume = \blacksquare Some Empirical Aspects of Multi-sided Platform Industries, volume = \blacksquare Some Empirical Aspects of Multi-sided Platform Industries, volume = \blacksquare Some Empirical Aspects of Multi-sided Platform Industries, volume = \blacksquare Some Empirical Aspects of Multi-sided Platform Industries, volume = \blacksquare Some Empirical Aspects of Multi-sided Platform Industries, volume = \blacksquare Some Empirical Aspects of Multi-sided Platform Industries, volume = \blacksquare Some Empirical Aspects of Multi-sided Platform Industries, volume = \blacksquare Some Empirical Aspects of Multi-sided Platform Industries, volume = \blacksquare Some Empirical Aspects of Multi-sided Platform Industries, volume = \blacksquare Some Empirical Aspects of Multi-sided Platform Industries, volume = \blacksquare Some Empirical Aspects of Multi-sided Platform Industries, volume = \blacksquare Some Empirical Aspects of Multi-sided Platform
10.2202/1446 - 9022.1026, abstract = Multi-sided platform markets have two or more different groups of customers than the sided platform markets have two or more different groups of customers than the sided platform markets have two or more different groups of customers than the sided platform markets have two or more different groups of customers than the sided platform markets have two or more different groups of customers than the sided platform markets have two or more different groups of customers than the sided platform markets have two or more different groups of customers than the sided platform markets have two or more different groups of customers than the sided platform markets have two or more different groups of customers than the sided platform markets have two or more different groups of customers than the sided platform markets have the sided platform markets ha
3, journal = Review of Network Economics, author = Evans, David S., year = 2003, file = Full Text PDF: /Users/France For the State of the State of State o
                                                        @articleellman_what_2009, title = What do the Papers Sell? A Model of Advertising and Media Bias*, volume = \blacksquare Advertising and Media Bias*, volume = Advertising and Media Bias*, volume 
119, issn = 1468 - 0297, shorttitle = What do the Papers Sell?, url = http://onlinelibrary.wiley.com/doi/10.1111/j.1468.
10.1111/j.1468 - 0297.2009.02218.x, abstract = We model the market for news a satwo-sided market where new spapers seems a satwo-sided market when seems a satwo-sided market which it is satwo-sided market when seems a satwo-sided market which seems a sa
en, number = 537, journal = The Economic Journal, author = Ellman, Matthewand Germano, Fabrizio, month = \blacksquare 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 
 apr, year = 2009, pages = 680 - -704, file = Full TextPDF: /Users/Franzi/Zotero/storage/ESUGMQCA/Ellman
                                                      @bookwiedmann<sub>t</sub>ext_2016, address = Wiesbaden, edition = 1, title = TextMiningforQualitativeDataAnalysisintParameters
 //www.springer.com/de/book/9783658153083, urldate = 2017-11-26, publisher = VSVerlagfrSozialwissenschaften and the state of the control of 
 Wiedmann, Gregor, year = 2016, file = Snapshot: /Users/Franzi/Zotero/storage/7P4K4CSX/9783658153083.html
                                                    @incollection boogaart_linear_2013, series = UseR!, title = Linear Models for Compositions, is bn = 978 - 3 - 642 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 32
https://link.springer.com/chapter/10.1007/978-3-642-36809-7_5, abstract=Compositions can play the role of depth and the state of the 
en, urldate = 2017 - 11 - 29, booktitle = Analyzing Compositional Data with R, publisher = Springer, Berlin, Heidelber and Berlin, Heidelb
 Boogaart, K.Geraldvanden and Tolosana - Delgado, Raimon, year = 2013, doi = 10.1007/978 - 3 - 642 - 36809 - 75, particular for the contraction of the contraction o
@techreportevans_industrial_2005, type = WorkingPaper, title = The Industrial Organization of Markets with Two-
http://www.nber.org/papers/w11603, abstract = Two-sided platforms (2SPs) catertotwo or more distinct groups of customers of the state of the state
11603, institution = National Bureau of Economic Research, author = Evans, David S. and Schmalensee, Richard, montained and the second secon
 sep, year = 2005, doi = 10.3386/w11603, file = NBERFullTextPDF: /Users/Franzi/Zotero/storage/EWJINGI8/without and the september of the septe
                                                    @articlearora_p ractical_2 012, title = A Practical Algorithm for Topic Modeling with Provable Guarantees, url = \blacksquare Practical Algorithm for Topic Modeling with Provable Guarantees, url = \blacksquare Practical Algorithm for Topic Modeling with Provable Guarantees, url = \blacksquare Practical Algorithm for Topic Modeling with Provable Guarantees, url = \blacksquare Practical Algorithm for Topic Modeling with Provable Guarantees, url = \blacksquare Practical Algorithm for Topic Modeling with Provable Guarantees, url = \blacksquare Practical Algorithm for Topic Modeling with Provable Guarantees, url = \blacksquare Practical Algorithm for Topic Modeling with Provable Guarantees, url = \blacksquare Practical Algorithm for Topic Modeling with Provable Guarantees, url = \blacksquare Practical Algorithm for Topic Modeling with Provable Guarantees, url = \blacksquare Practical Algorithm for Topic Modeling with Provable Guarantees, url = \blacksquare Practical Algorithm for Topic Modeling with Provable Guarantees, url = \blacksquare Practical Algorithm for Topic Modeling with Provable Guarantees, url = \blacksquare Practical Algorithm for Topic Modeling with Provable Guarantees, url = \blacksquare Practical Algorithm for Topic Modeling with Provable Guarantees, url = \blacksquare Practical Algorithm for Topic Modeling with Provable Guarantees, url = \blacksquare Practical Algorithm for Topic Modeling with Provable Guarantees, url = \blacksquare Practical Algorithm for Topic Modeling with Provable Guarantees, url = \blacksquare Practical Algorithm for Topic Modeling with Provable Guarantees, url = \blacksquare Practical Algorithm for Topic Modeling with Provable Guarantees, url = \blacksquare Practical Algorithm for Topic Modeling with Provable Guarantees, url = \blacksquare Practical Algorithm for Topic Modeling with Provable Guarantees, url = \blacksquare Practical Algorithm for Topic Modeling with Provable Guarantees, url = \blacksquare Practical Algorithm for Topic Modeling with Provable Guarantees, url = \blacksquare Practical Algorithm for Topic Modeling with Provable Guarantees, url = \blacksquare Practical Algorithm for Topic Modeling with Provable Guarantees, url = \blacksquare Practical Algorithm for Topic Modeling with Practical Algorithm for Topic Modeling with Practical Algori
https: //arxiv.org/abs/1212.4777, urldate = 2017 - 12 - 07, author = Arora, Sanjeevand Ge, Rongand Halpern, Yonia, Sanjeevand Ge, Rongand Ge, Rongan
 dec, year = 2012, file = FullTextPDF: /Users/Franzi/Zotero/storage/KR8KRPIX/Aroraetal. - 2012 - APractice for the superscript of the superscript
                                                      @articlesteiner_p rogram_1952, title = Program Patterns and Preferences, and the Work ability of Competition in Radio
66, issn = 0033 - 5533, url = http://www.jstor.org/stable/1882942, doi = 10.2307/1882942, abstract = 10.2307/188
I. Criteria for the appraisal of work ability, 195. --II. The one period model, 197. --III. The model over time, 207. --IV.
2, journal = The Quarterly Journal of Economics, author = Steiner, Peter O., year = 1952, pages = 194 - -223
                                                        @articlegabszewicz<sub>n</sub>ress_2001, series = 15thAnnualCongressoftheEuropeanEconomicAssociation, title = <math>\blacksquare
 Pressadvertising and the ascent of the Pense Unique, volume = 45, is sn = 0014 - 2921, url = http://www.sciencedirect.
10.1016/S0014-2921(01)00139-8, abstract = The press in dustry depends in a crucial way on the possibility of financing and the pressure of t
4, journal = European Economic Review, author = Gabszewicz, Jean J. and Laussel, Diderand Sonnac, Nathalie, monther and Sonnac, Nathalie, Marchelle, Mar
may, year \ = \ 2001, keywords \ = \ advertising, TV-broadcasting, Channels-program diversity, pages \ = \ advertising, TV-broadcasting, Channels-program 
641 - -651, file = Science Direct Full Text PDF: /Users / Franzi / Zotero / storage / 8RHUZD5J / Gabszewicz et al. -200 / Source / Sourc
                                                    @articlesamuelson_a spects_1958, title = A spects of Public Expenditure Theories, volume = 40, is sn = 0034-6535, urlange of the public Expenditure Theories and the public 
http://www.jstor.org/stable/1926336, doi=10.2307/1926336, number=4, journal=The Review of Economics and Stable-1926336, doi=10.2307/1926336, doi=10.2307/192636, doi=10.2307/192636, doi=10.2307/192636, doi=10.2307/192636, doi=10.2307/192636, doi=10.2307/192636, doi=10.2307/19260, doi=10.2307/19260, doi=10.2307/19260, doi=10.2307/192600
 Samuelson, Paul A., year = 1958, pages = 332 - -338
                                                    @articleloughran_when_2011, title = When Is a Liability Nota Liability ? Textual Analysis, Dictionaries, and 10-Ks, when Is a Liability Property of the prop
10.1111/j.1540 - 6261.2010.01625.x, abstract = Previous research uses negative word counts to measure the tone of a text. We have the sum of the sum o
```

 $6, journal = Journal of the American Society for Information Science, author = Deerwester, Scott and Dumais, Susan Taylor, pages = 391 - -407, file = Citeseer - Full Text PDF: /Users/Franzi/Zotero/storage/EVGTHKF3/Deerwes @articlecorden_maximisation_1952, title = The Maximisation of Profit by a Newspaper, volume = 20, issn = 1000 and the control of the control o$

0034 - 6527, url = http://www.jstor.org/stable/2295888, doi = 10.2307/2295888, number = 3, journal = 10.2307/2295888, number = 10.2307/2296888, number = 10.2307/2008888, nu

```
@articlebraun_v ariational_2010, title = Variational inference for large-scale models of discrete choice, volume = \blacksquare
  105, issn = 0162 - 1459, 1537 - 274X, url = http: //arxiv.org/abs/0712.2526, doi = 10.1198/jasa.2009.tm08030, abstraction and the state of the control of 
  Discrete choice models are commonly used by applied statistic ians in numerous fields, such as marketing, economics, finances and the property of the proper
489, urldate = 2018 - 01 - 19, journal = Journal of the American Statistical Association, author = Braun, Michael and Association and Associ
mar, year = 2010, note = arXiv: 0712.2526, keywords = Statistics - Machine Learning, Statistics - Computation, Statistic
324 - -335, file = arXiv0712.2526PDF: /Users/Franzi/Zotero/storage/NWRMRPXH/BraunundMcAuliffe - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 20
                                                         @inproceedings bischof_summarizing_2012, address = USA, series = ICML'12, title = SummarizingTopicalContent
978-1-4503-1285-1, url=http://dl.acm.org/citation.cfm?id=3042573.3042578, abstract=Recentwork in texts. A substract is a substract of the contract of the co
2018-01-19, book title = Proceedings of the 29th International Conference on International Conference on Machine Leaung School (School) and the Conference on Machine Leaung School (School) 
  Omnipress, author = Bischof, Jonathan M. and Airoldi, Edoardo M., year = 2012, pages = 9--16
                                                         @articleendres_new_2003, title = An expression for probability distributions, volume = 49, issn = 0018 - 9448, doi = $\|
10.1109/TIT.2003.813506, abstract = We introduce a metric for probability distributions, which is bounded, information-10.1109/TIT.2003.813506, abstract = We introduce a metric for probability distributions, which is bounded, information-10.1109/TIT.2003.813506, abstract = We introduce a metric for probability distributions, which is bounded, information-10.1109/TIT.2003.813506, abstract = We introduce a metric for probability distributions, which is bounded, information-10.1109/TIT.2003.813506, abstract = We introduce a metric for probability distributions, which is bounded, information-10.1109/TIT.2003.813506, abstract = We introduce a metric for probability distributions, which is bounded, information-10.1109/TIT.2003.813506, abstract = We introduce a metric for probability distributions, which is bounded, information-10.1109/TIT.2003.813506, abstract = We introduce a metric for probability distributions, which is bounded, and the probability distributions in the probability distribution of the probabi
7, journal = IEEET ransactions on Information Theory, author = Endres, D.M. and Schindelin, J.E., month = IEEET ransactions on Information Theory author = Endres, D.M. and Schindelin, J.E., month = IEEET ransactions on Information Theory author = Endres, D.M. and Schindelin, J.E., month = IEEET ransactions on Information Theory author = Endres, D.M. and Schindelin, J.E., month = IEEET ransactions on Information Theory author = Endres, D.M. and Schindelin, J.E., month = IEEET ransactions on Information Theory author = Endres, D.M. and Schindelin, J.E., month = IEEET ransactions on Information Theory author = Endres, D.M. and Schindelin, J.E., month = IEEET ransaction Theory author = Endres, D.M. and Schindelin, J.E., month = IEEET ransaction Theory author = Endres, D.M. and Schindelin, J.E., month = IEEET ransaction Theory author = Endres, D.M. and Schindelin, D.E., month = IEEET ransaction Theory = IEEET ransacti
  jul, year = 2003, keywords = Adaptive estimation, Algorithm design and analysis, asymptotic approximation, Bayes meters and the property of 
  1858 - 1860, file = IEEEXploreAbstractRecord: /Users/Franzi/Zotero/storage/H6L3EIL4/1207388.html: text/Policy file = IEEEXploreAbstractRecord: /Users/Franzi/Zotero/storage/H6L3EIL4/1207388.html: /Users/Franzi/Zo
                                                         @inproceedingshe_detecting_2009, address = NewYork, NY, USA, series = CIKM'09, title = DetectingTopicEvolution and the series of the series 
978 - 1 - 60558 - 512 - 3, shorttitle = DetectingTopicEvolutioninScientificLiterature, url = http://doi.acm.org/10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/1978 - 10/2016/19
10.1145/1645953.1646076, abstract = Understandinghowtopics inscient if icliterature evolve is an interesting and important properties of the properties of
2018-01-23, book title = Proceedings of the 18th ACM Conference on Information and Knowledge Management, publication of the conference o
  ACM, author = He, QiandChen, BiandPei, JianandQiu, BaojunandMitra, PrasenjitandGiles, Lee, year = \blacksquare
2009, keywords = citations, inheritance to piccool displayed, to piccool ution, pages = 957 - -966
                                                         @articlenewman_distributed_2009, title = DistributedAlgorithms for TopicModels, volume = 10, is sn =
1532-4435, url=http://dl.acm.org/citation.cfm?id=1577069.1755845, abstract=Wedescribedistributed algorithm. The state of the state of
2018-01-23, journal=J.Mach.Learn.Res., author=Newman, David and Asuncion, Arthur and Smyth, Padhraic and Patherine and Patheri
dec, year = 2009, pages = 1801 - -1828, file = ACMFullTextPDF: /Users/Franzi/Zotero/storage/8WPWT44A/NESSA - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 1801 - 180
                                                             @inproceedingskim_topic_2011, series = Lecture Notes in Computer Science, title = Topic Chains for Understanding and the standing of the sta
978 - 3 - 642 - 19436 - 8978 - 3 - 642 - 19437 - 5, url = https://link.springer.com/chapter/10.1007/978 - 3 - 642 - 19437 - 5
10.1007/978 - 3 - 642 - 19437 - 5_13, abstract = The Webisagreat resource and archive of new sarticles for the world. We purpose the same of the s
en, urldate = 2018 - 01 - 23, booktitle = Computational Linguistics and Intelligent Text Processing, publisher = \blacksquare
@inproceedingswang_mining_2009, address = NewYork, NY, USA, series = WSDM'09, title = MiningCommonTopological States and the series of the s
978 - 1 - 60558 - 390 - 7, url = http://doi.acm.org/10.1145/1498759.1498826, \\ doi = 10.1145/1498759.1498826, \\ abstraction of the control 
Texts treams are becoming more and more ubiquitous, in the forms of news feeds, we blogarchives and so on, which result in all the properties of the prope
2018-01-23, book title = Proceedings of the Second ACM International Conference on Web Sear chand Data Mining, pure the Conference of th
  ACM, author = Wang, XiangandZhang, KaiandJin, XiaomingandShen, Dou, year = 2009, keywords = 
  topic model, a synchronous streams, temporal text mining, pages = 192 - -201
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               8
```

 $en, number=1, urldate=2018-01-11, journal=The Journal of Finance, author=Loughran, Timand Mcdonald, Efeb, year=2011, pages=35--65, file=Full Text PDF:/Users/Franzi/Zotero/storage/ZFIUBAP9/Loughran urldate=2011, pages=35--65, file=Full Text PDF:/Users/Franzi/Zotero/storage/ZFIUBAP9/Loughran urldate=2011, pages=35--65, file=Full Text PDF:/Users/Franzi/Zotero/storage/ZFIUBAP9/Loughran urldate=2011, pages=35--65, file=Full Text PDF:/Users/Franzi/Sulldate=2018-01-11, journal=Federal Reserve Bank of San Francisco Working Pager, author=101, urldate=2018-01-11, journal=Federal Reserve Bank of San Francisco Working Pager, author=10002-9297, urldate=2018, month=jan, year=2017, file=RePEcPDF:/Users/Franzi/Sulldate=2018-01-19, journal=American Journal of Human Genetics, author=Pritchard, Jonathan K. and Step jul, year=2000, pmid=10827107, pmcid=PMC1287075, pages=170-181, file=PubMed Central Full Text PDF=101, issn=0027-8424, 1091-6490, url=http://www.pnas.org/content/101/suppl_1/5220, doi=10.1073/pnas.03077 PNAS is one of world's most cited multidisciplinary scientific journals. The PNAS of ficial classification structure of subject, number=suppl1, urldate=2018-01-19, journal=Proceedings of the National Academy of Sciences, author=101, urldate=2018-01-19, journal=Proceedings of the National Academy of Sciences, author=101.$

```
@bookramage_labeled_2009, title = LabeledLDA: A supervised to picmodel force ditattribution in multi-labeled corporate and the contraction of th
Labeled LDA, abstract = A significant portion of the world stext is tagged by readers on social book marking websites. Credital and the property of the prop
Ramage, Daniel and Hall, David and Nallapati, Rameshand Manning, Christopher D., year = 2009, file = 2000, 
Citeseer-Full TextPDF: /Users/Franzi/Zotero/storage/WD2TZ58J/Ramage et al.-Labeled LDAA supervised to provide the provided provided to the provided provid
                                                                 @inproceedings chancy_v is ualizing_2012, title = Visualizing Topic Models, copyright = Authors who publish a paper in the proceeding school of the procedure school of the procedure school of the proceeding school of the procedure school of the procedure school of the procedure school of the proceeding school of the procedure school o
https: //www.aaai.org/ocs/index.php/ICWSM/ICWSM12/paper/view/4645, abstract = Managing large collections
en, urldate = 2018 - 01 - 23, booktitle = Sixth International AAAI Conference on Weblogs and Social Media, author = \blacksquare 1, which is a support of the support
Chaney, Allison June-Barlow and Blei, David M., month=may, year=2012, file=Full Text PDF:/Users/Franzial Control of the Cont
                                                             Egami, Naoki and Fong, Christian J. and Grimmer, Justin and Roberts, Margaret E. and Stewart, Brandon M., month = 1000 and 1000
dec, year = 2017, file = HowtoMakeCausalInferencesUsingTexts|NaokiEgami: /Users/Franzi/Zotero/storage/LinearizesUsingTexts|NaokiEgami: /Users/Franzi/Zotero/storage/LinearizesUsi/Zotero/storage/LinearizesUsi/Zotero/storage/LinearizesUsi/Zotero/sto
                                                               @articlepaul_cross-collection_2017, title = Cross-CollectionTopicModels: Automatically Comparing and Contrastication and Con
Cross-CollectionTopicModels, abstract=This paper describes cross-collection latent Dirichlet allocation (ccLDA), application of the collection of the coll
  Paul, Michael, year = 2017, file = Citeseer - Full TextPDF: /Users/Franzi/Zotero/storage/H2I347RL/Paul - College - Full TextPDF - Full Text
                                                             @articlenyman_news_2018, title = News and narratives in financial systems: exploiting big data for systemic risk assess
704, url = https: //www.bankofengland.co.uk/working - paper/2018/news - and - narratives - in - financial - symmetric symmet
2018-02-21, journal = Bank of England Working Paper, author = Nyman, Rickard and Kapadia, Sujit and Tuckett, Rickard and Kapadia, Sujit and Tuckett, Rickard and Rickard and
  jan, year = 2018, file = News and narratives in financial systems exploiting big data for systemic risk assessment | Banko, which is a supersystem of the property of the pr
                                                             @bookcage_information_2017, title = L'information tout prix, language = fr, publisher = ditions del INA, author = from the contract of the c
Cag, Julia and Herv, Nicolas and Viaud, Marie-Luce, year=2017, file=Snapshot:/Users/Franzi/Zotero/storage, Total Control of the Control of Co
                                                               @articlepaul_qualitative_2017, title = Qualitative and quantitative central bank communication and in flation expectation of the property of
17, url = https: //ideas.repec.org/a/bpj/bejmac/v17y2017i1p41n7.html, abstract = Weaimtoinvestigatethesimultanear for the superscript of the sup
en, number = 1, urldate = 2018 - 03 - 07, journal = The B.E. Journal of Macroeconomics, author = Paul, Hubert, year of the following the property of the pro
2017, keywords = central bank communication, European central bank, monetary policy, principal component analysis, page 1975.
  1--41, file = Snapshot: /Users/Franzi/Zotero/storage/55VNARXK/v17y2017i1p41n7.html: text/html
                                                             @articletetlock_q iving_2007-1, title = GivingContenttoInvestorSentiment: The Role of Media in the StockMarket, volume to the Stock of the Grant Content of the Stock of the
10.1111/j.1540 - 6261.2007.01232.x, abstract = Iquantitatively measure the interactions between the media and the stock model are stocked as the stock model and the stock model are stocked as the stock model and the stock model are stocked as the stock model and the stock model are stocked as the stock model and the stock model are stocked as the stock model and the stock model are stocked as the stock model and the stock model are stocked as the stock model and the stock model are stocked as the stock model and the stock model are stocked as the stock model and the stock model are stocked as the stock model and the stock model are stocked as the stock model and the stock model are stocked as the stock model and the stock model are stocked as the stock model and the stock model are stocked as the stock model and the stock model are stocked as the stock model and the stock model are stocked as the stock model and the stock model are stocked as the stock model and the stock model are stocked as the stocked as the stocked as the stocked as the stocked are stocked as the stocked are stocked as the stocked as the stocked as the stocked are stocked as the stocked as the stocked as the stocked are stocked as the stoc
en, number = 3, urldate = 2018 - 03 - 07, journal = The Journal of Finance, author = Tetlock, Paul C., month = \blacksquare The Journal of Finance, author = Tetlock, Paul C., month = \blacksquare The Journal of Finance, author = Tetlock, Paul C., month = \blacksquare The Journal of Finance, author = Tetlock, Paul C., month = \blacksquare The Journal of Finance, author = Tetlock, Paul C., month = \blacksquare The Journal of Finance, author = Tetlock, Paul C., month = \blacksquare The Journal of Finance, author = Tetlock, Paul C., month = \blacksquare The Journal of Finance, author = Tetlock, Paul C., month = \blacksquare The Journal of Finance, author = Tetlock, Paul C., month = \blacksquare The Journal of Finance, author = Tetlock, Paul C., month = \blacksquare The Journal of Finance, author = Tetlock, Paul C., month = \blacksquare The Journal of Finance, author = Tetlock, Paul C., month = The Journal of Finance, author = The Jour
  jun, year = 2007, pages = 1139 - -1168, file = Full TextPDF: /Users/Franzi/Zotero/storage/RHRD6AQT/Tetlooper for the state of the sta
                                                                 Shocking language: Understanding the macroeconomic effects of central bank communication, volume = 99, is sn = 1000 for the control of the 
10.1016/j.jinteco.2015.12.008, abstract = We explore how the multi-dimensional aspects of information released by the Francisco and the support of the sup
2018-03-07, journal = Journal of International Economics, <math>author = Hansen, Stephen and McMahon, Michael, mo
mar, year = 2016, keywords = Communication, Monetary policy, Vectorau to regression, pages = S114 - S133, file = S134, f
  Science Direct Full Text PDF: /Users /Franzi /Zotero /storage /AINER 6IR /Hansen und McMahon - 2016 - Shock in Science Direct Full Text PDF: /Users /Franzi /Zotero /storage /AINER 6IR /Hansen und McMahon - 2016 - Shock in Science Direct Full Text PDF: /Users /Franzi /Zotero /storage /AINER 6IR /Hansen und McMahon - 2016 - Shock in Science PDF: /Users /Franzi /Zotero /storage /AINER 6IR /Hansen und McMahon - 2016 - Shock in Science PDF: /Users /Franzi /Zotero /storage /AINER 6IR /Hansen und McMahon - 2016 - Shock in Science PDF: /Users /Franzi /Zotero /storage /AINER 6IR /Hansen und McMahon - 2016 - Shock in Science PDF: /Users /Franzi /Zotero /storage /AINER 6IR /Hansen und McMahon - 2016 - Shock in Science PDF: /Users /Science PDF:
                                                               @articletetlock_more_2008, title = More Than Words: Quantifying Language to Measure Firms' Fundamentals, volume to the property of the prope
10.1111/j.1540 - 6261.2008.01362.x, abstract = We examine whether a simple quantitative measure of language can be used to the contract of t
en, number = 3, urldate = 2018 - 03 - 07, journal = The Journal of Finance, author = Tetlock, Paul C. and Saar - Tseeding and Saar - Tseeding Saar - Tseedin
jun, year = 2008, pages = 1437 - -1467, file = Full TextPDF: /Users/Franzi/Zotero/storage/NTZB3TUK/Tetlooper file = Full TextPDF: /Users/Franzi/Zotero/storage/NTZB3TUK/TextPDF: /Users/Franzi/Zotero/storage/NTZB3TUK/T
                                                                 @techreportvuma<sub>a</sub>rbeitsgemeinschaft_verbrauchs-und<sub>m</sub>edienanalyse<sub>v</sub>erbrauchs-2017, title = Verbrauchs-und
https://de.statista.com/statistik/daten/studie/183128/umfrage/nachrichten-und-informationen---international traditional trade of the statistic formation and the statist
de, url date = 2018 - 03 - 12, editor = VuMA (Arbeitsgemeinschaft Verbrauchs - und Medien analyse), month = 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 
nov, year = 2017, file = Snapshot: /Users/Franzi/Zotero/storage/MLZDKCVD/nachrichten - und - information - und - information
                                                             @misc no author_media_2 014, title = MediaFreedom and Pluralism, url = https://ec.europa.eu/digital-single-mailer for the properties of 
The importance of transparency, freedom and diversity in Europe's medial and scape. The European Commission commitstation of the property of the entire of the European Commission commitstation commitstation of the European Commission commitstation commits and the European Commitstation commit
  en, urldate = 2018 - 03 - 14, journal = Digital Single Market, month = feb, year = 2014, file = Snapshot: /Users/France for the first of the first
                                                             @inproceedingstumasjan, redictinq_2010, address = Washington, title = PredictingElections with Twitter : What 14
PredictingElections with Twitter, url = https://www.researchgate.net/publication/215776042_{predicting_Elections_with Twitter}
Twitter is a microblog ging we be it ewhere users read and write millions of short messages on a variety of topic severy day. This is a microblog ging we be it every day of the property of
  en, urldate = 2018 - 03 - 17, booktitle = Proceedings of the Fourth International Conference on Weblogs and Social Medical Conference on Weblogs and Weblogs and Social Medical Conference on Weblogs and Weblog
```