

# Jeremy Barnes

Universitat Pompeu Fabra  
Computational Linguistics Group (GLiCom)  
Roc Boronat 138  
Barcelona, Spain, 08018

jeremy.barnes@upf.edu  
<https://www.upf.edu/web/glicom>  
Personal site: <https://jbarnesspain.github.io>  
Phone: +34 (650) 667-731

**Education** **Universitat Pompeu Fabra**  
Ph.D., Computational Linguistics, 2018.  
Fields: Cross-lingual Sentiment Analysis  
M.A., Linguistics, 2015.

**University of Stuttgart**  
Research Stay, 2017-2018.

**University of Houston**  
B.A., Linguistics, 2007.

**Dissertation** “Cross-lingual Sentiment Analysis for Under-resourced Languages”  
I explored techniques which require a minimal amount of parallel data to perform sentiment analysis in a resource-poor target language using only annotated sentiment data in a resource-rich language. I performed experiments at several levels of granularity, achieving state-of-the-art results on several tasks and also showed that the techniques developed could be used for domain adaptation.

**Publications** **Bilingual Sentiment Embeddings:  
Joint Projection of Sentiment Across Languages.**  
Jeremy Barnes, Roman Klinger, and Sabine Schulte im Walde.  
Accepted to ACL 2018.

**Projecting Embeddings Across Domains**  
Jeremy Barnes, Roman Klinger, and Sabine Schulte im Walde.  
Accepted to COLING 2018.

**MultiBooked: A Corpus of Basque and Catalan Hotel Reviews  
Annotated for Aspect-level Sentiment Classification.**  
Jeremy Barnes, Patrik Lambert, and Toni Badia.  
LREC 2018.

**Assessing State-of-the-art Sentiment Models  
on State-of-the-art Sentiment Datasets.**  
Hendrik Schuff, Jeremy Barnes, Julian Mohme, Sebastian Padó, and Roman Klinger.  
WASSA 2017.

**Annotation, Modelling and Analysis of Fine-grained Emotions on a Stance and Sentiment Detection Corpus.**

Jeremy Barnes, Roman Klinger, and Sabine Schulte im Walde.  
WASSA 2017.

**Exploring Distributional Representations and Machine Translation for Aspect-based Cross-lingual Sentiment Classification.**

Jeremy Barnes, Patrik Lambert, and Toni Badia.  
COLING 2016.

Research **GLiCom, Universitat Pompeu Fabra**

Predocutorial Research Associate

Project: Cross-lingual Sentiment Analysis for Under-resourced Languages

**Institut für Maschinelle Sprachverarbeitung (IMS), University of Stuttgart**

Collaborative Research Fellow

Project: Incremental Specification in Context (SFB 732)

Teaching **Translation and Language Science Dept., Universitat Pompeu Fabra**

T.A., Information Technology, 2015-2018

T.A., Translation Technologies, 2017

T.A., Language and Technology: Case Studies, 2015-2017

**Center for Language and Computation, University of Barcelona**

Invited Lecturer, Sentiment Analysis for Big Data, 2018

**IMS, University of Stuttgart**

T.A., Affective Computing and Emotion Analysis, 2017

Awards and Fellowships **SGR-DTCL Predocutorial Scholarship**

Universitat Pompeu Fabra, 2015-2019

**SFB Collaborative Research Grant**

IMS, University of Stuttgart, 2017-2018

**DAAD Leipzig/Houston Scholarship**

University of Leipzig, 2005-2006

**Academic Merit Scholarship**

University of Houston, 2001-2006

Languages English (native), Spanish (fluent), Catalan (fluent),  
Basque (fluent), German (advanced), Italian (intermediate)

Skills Linux, Windows,  
Python, Java, NLTK, Freeling, Stanford CoreNLP, IXA pipes,  
Pytorch, Tensorflow, Theano, Keras, Sklearn, Numpy, Matplotlib,  
Moses, OpenNMT

References Toni Badia Roman Klinger  
Thesis Supervisor Research Stay Supervisor  
Computational Linguistics Group IMS  
Universitat Pompeu Fabra University of Stuttgart  
toni.badia@upf.edu roman.klinger@ims.uni-stuttgart.de  
+34 93 542 2414 +49 711 685 81406

Sabine Schulte im Walde  
Research Stay Supervisor  
IMS  
University of Stuttgart  
schulte@ims.uni-stuttgart.de  
+49 711 685 84584