

# LUCAS WEBER

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## Education

### University Pompeu Fabra

*Ph.D. Computational Linguistics*

Barcelona, ES

2019 – ongoing

- DTCL-Scholarship
- supervision by:
  - \* Dr. Elia Bruni (University of Osnabrück)
  - \* Dr. Dieuwke Hupkes (FAIR)

### University of Amsterdam

*RMSc. Brain and Cognitive Sciences; Track: Cognitive Science*

Amsterdam, NL

2016 – 2018

- with distinction ('cum laude')
- **MRC-CBU, University of Cambridge, UK:** Thesis-project
  - \* [Click for thesis-project](#)
  - \* [Click for literature-project](#)

### University of Vienna

*BSc. Psychology*

Vienna, AT

2013 – 2016

- **University of Groningen, NL:** ERASMUS-exchange
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## Teaching

### Computational Semantics | Graduate Teaching Assistance

2021 - 2022

- DTCL, University Pompeu Fabra
- Language of instruction: English

### Recursos TIC | Teaching Assistance

2021 - 2022

- DTCL, University Pompeu Fabra
- Language of instruction: Spanish/Catalan
- Content: IT-resources for linguists

### Descripció i Anàlisi 2 | Teaching Assistance

2020 – 2022

- DTCL, University Pompeu Fabra
- Language of instruction: English/German/Catalan
- Content: Phonology/Morphology/comp. Linguistics

### Descripció i Anàlisi 1 | Teaching Assistance

2020

- DTCL, University Pompeu Fabra
- Language of instruction: English/German
- Content: Syntax

### Foundations of Neural and Cognitive Modelling | Graduate Teaching Assistance

2017

- IIS, University of Amsterdam
- Language of instruction: English

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## Talks and Presentations

<b>DLBCN 2023</b>   <i>Poster presentation</i>	2023
<ul style="list-style-type: none"><li>• Presenting work on project <i>Mind the instructions: a holistic evaluation of consistency and interactions in prompt-based learning</i></li></ul>	
<b>GenBench @ EMNLP 2023</b>   <i>Oral presentation</i>	2023
<ul style="list-style-type: none"><li>• Presenting work on project <i>Mind the instructions</i> and <i>The ICL consistency test</i></li></ul>	
<b>CoNLL 2023</b>   <i>Oral presentation</i>	2023
<ul style="list-style-type: none"><li>• Presenting work on project <i>Mind the instructions: a holistic evaluation of consistency and interactions in prompt-based learning</i></li><li>• Honourable mention (rated as one of the top 4 papers at the conference)</li></ul>	
<b>ENS Paris, Invited talk at CoML</b>   <i>Oral presentation</i>	2022
<ul style="list-style-type: none"><li>• Presenting work on project <i>Teaching with language-commentaries</i></li></ul>	
<b>ELLIS-NLP Workshop 2021</b>   <i>Poster-presentation</i>	2021
<ul style="list-style-type: none"><li>• Presenting work on project <i>Meeting Formal Linguistics and Optimization</i></li></ul>	
<b>EVIL</b> (UPF/FAIR-internal meeting)   <i>Oral presentation</i>	2021
<ul style="list-style-type: none"><li>• Presentation <i>Similarity Probing in the Linguistic Task-Space</i></li></ul>	
<b>EACL 2021</b>   <i>Oral-presentation</i>	2021
<ul style="list-style-type: none"><li>• Presenting work on project <i>Language Modelling as a Multi-Task Problem</i></li></ul>	
<b>TAB</b> (Seminar series at UPF/UvA/CIMeC)   <i>Oral presentation</i>	2021
<ul style="list-style-type: none"><li>• Presentation <i>Language Modelling as a Multi-Task Problem</i></li></ul>	
<b>EVIL</b> (UPF/FAIR-internal meeting)   <i>Oral presentation</i>	2019
<ul style="list-style-type: none"><li>• Presentation <i>Continual Learning in Language Emergence in artificial conversational agents</i></li></ul>	

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## First author publications

- Weber, L., Bruni, E. and Hupkes, D. (2023) *The ICL consistency test*, GenBench 2023
- Weber, L., Bruni, E. and Hupkes, D. (2023) *Mind the instructions: a holistic evaluation of consistency and interactions in prompt-based learning*, CoNLL 2023
- Weber, L., Jumelet, J., Bruni, E. and Hupkes, D. (2021) *Language Modelling as a Multi-Task Problem*, EACL 2021

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## Pre-prints

- Weber, L., Jumelet, J., Michel, P., Bruni, E. and Hupkes, D. (2023) *Curriculum Learning with Adam: The Devil Is in the Wrong Details*, arXiv 2023

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## Open-source contributions

<b>ICL consistency test</b>   <i>Creation and publication</i>	2023
<ul style="list-style-type: none"><li>• A NLP task for the consistency evaluation of LLMs. Find in GenBench CBT 2023</li></ul>	
<b>ICL consistency dataset</b>   <i>Creation and publication</i>	2023
<ul style="list-style-type: none"><li>• A NLP dataset the consistency evaluation of LLMs. Find on the hf dataset hub</li></ul>	

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## Organization

<b>UR-LING workshop</b>   <i>Organization</i>	2021
<ul style="list-style-type: none"><li>• United workshop for different sub-fields of linguistics at University Pompeu Fabra</li></ul>	

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## Supervision

### **Thesis projects** | *Co-supervision*

2022

- Leon Schmid at IKW, University of Osnabrück
- Simon Helling at IKW, University of Osnabrück

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## Skills

### **Languages:**

German (native);

English (fluent);

Dutch (fluent);

Spanish (fluent);

French (basic);

Chinese Mandarin (basic);

Catalan (basic);

Latin

**Programming:** Python, MATLAB, R, bash

**Frameworks:** Pytorch, Tensorflow; DeepSpeed, fairscale, FSDP