LUCAS WEBER Iucas.weber@upf.edu | Im LinkedIn | ♠ LucWeber | ⊕ webpage |

Education	
University Pompeu Fabra Ph.D. Computational Linguistics	Barcelona, ES 2019 – ongoing
 Thesis: Interpreting the Learning Dynamics of Language Models DTCL-Scholarship supervision by: 	2019 – Ongoing
 * Dr. Elia Bruni (University of Osnabrück) * Dr. Dieuwke Hupkes (FAIR) University of Amsterdam RMSc. Brain and Cognitive Sciences; Track: Cognitive Science • with distinction ('cum laude') • Thesis-project: MRC-CBU, University of Cambridge 	Amsterdam, NL 2016 – 2018
 Click for thesis-project Click for literature-project University of Vienna	Vienna, AT
BSc. PsychologyUniversity of Groningen, NL: ERASMUS-exchange	2013 – 2016
Computational Semantics Graduate Teaching Assistance • DTCL, University Pompeu Fabra • Language of instruction: English • Content: Introduction to distributional semantics and NLP	2021 - 2022
Recursos TIC Teaching Assistance • DTCL, University Pompeu Fabra • Language of instruction: Spanish/Catalan • Content: IT-resources for linguists	2021 - 2022
 Descripció i Anàlisi 2 Teaching Assistance DTCL, University Pompeu Fabra Language of instruction: English/German/Catalan Content: Phonology/Morphology/comp. Linguistics 	2020 – 2022
 Descripció i Anàlisi 1 Teaching Assistance DTCL, University Pompeu Fabra Language of instruction: English/German Content: Syntax 	2020
Foundations of Neural and Cognitive Modelling Graduate Teaching Assistance • IIS, University of Amsterdam • Language of instruction: English • Content: Dynamical systems	2017

Talks and Presentations **DLBCN 2023** | Poster presentation 2023 • Presenting work on project Mind the instructions: a holistic evaluation of consistency and interactions in prompt-based learning 2023 **GenBench** @ **EMNLP 2023** | Poster presentation · Presenting work on project Mind the instructions and The ICL consistency test 2023 **CoNLL 2023** | *Oral presentation* • Presenting work on project Mind the instructions: a holistic evaluation of consistency and interactions in prompt-based learning • Honourable mention (rated as one of the top 4 papers at the conference) 2022 ENS Paris, Invited talk at CoML | Oral presentation • Presenting work on project Teaching with language-commentaries **ELLIS-NLP Workshop 2021** | *Poster-presentation* 2021 • Presenting work on project Meeting Formal Linguistics and Optimization **EVIL** (UPF/FAIR-internal meeting) | Oral presentation 2021 • Presentation Similarity Probing in the Linguistic Task-Space **EACL 2021** | Oral-presentation 2021 • Presenting work on project Language Modelling as a Multi-Task Problem **TAB** (Seminar series at UPF/UvA/CIMeC) | Oral presentation 2021 • Presentation Language Modelling as a Multi-Task Problem **EVIL** (UPF/FAIR-internal meeting) | Oral presentation 2019 · Presentation Continual Learning in Language Emergence in artificial conversational agents

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

Pre-prints / Under review

- Maia Polo, F., Weber, L., Choshen, L., Sun, Y., Xu, G. and Yurochkin, M. (2024) *tinyBenchmarks: evaluating LLMs with fewer examples*, Under review
- Weber, L., Jumelet, P., Bruni, E. and Hupkes, D. (2024) *Interpreting Language Models via Task Spaces*, Under review
- Weber, L., Jumelet, J., Michel, P., Bruni, E. and Hupkes, D. (2023) *Curriculum Learning with Adam: The Devil Is in the Wrong Details*, arXiv / Under review

Open-source contributions

tinyBenchmarks | Creation and publication

2024

• Subsamples (n=100) of the MMLU, open LLM leaderboard, helm-lite and AlpacaEval datasets paired with an item-response model to do efficient benchmarking for LLMs. Find on the huggingface hub.

ICL consistency test | *Creation and publication*

2023

• A NLP task for the consistency evaluation of LLMs. Find in GenBench CBT 2023

ICL consistency dataset | *Creation and publication*

2023

• A NLP dataset the consistency evaluation of LLMs. Find on the hf dataset hub

Organization

UR-LING workshop | Organization

2021

• United workshop for different sub-fields of linguistics at University Pompeu Fabra

Supervision

Thesis projects | Co-supervision

2022

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

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