

Becoming a Computational Communication Scholar

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Pre-Conference: Expanding Computational Communication: Towards a Pipeline for Graduate Students and Early Career Scholars



Today

- Some General Steps
- Personal Notes
- Short autobiographical research
- Challenges
- Moving on



Computational Communication Scholars work with...

big data analytics, computer simulations, social network analysis, text mining, computer-assisted content analysis, machine learning, large-scale experiments, cognitive modeling, web and mobile analytics, and data visualization,...



Check your motivation and define your focus



Photo by Janko Ferlic from Pexels



Develop your skills

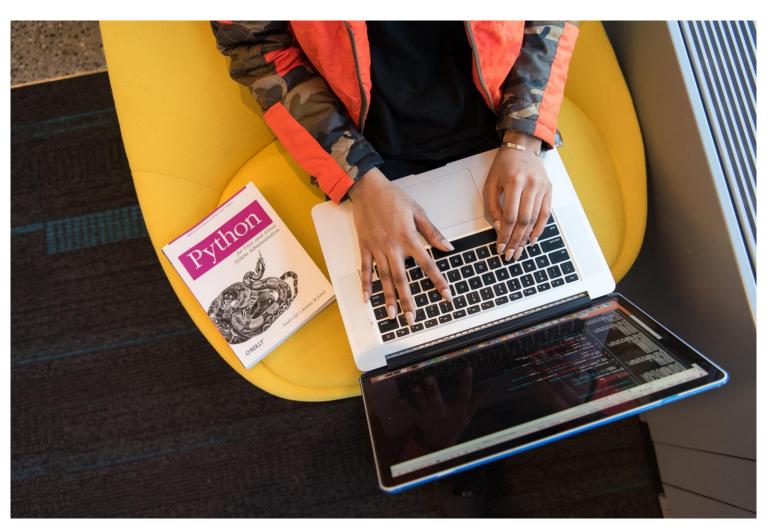


Photo by Christina Morillo from Pexels



Make sure you have the right environment and support.



Image by Zdeněk Picpauer from Pixabay



Develop your network, share and show your work



Photo by Pixabay from Pexels



The Computational Communication Lab





A PhD Project and some background notes

Multilingual Computer-Assisted Content Analysis



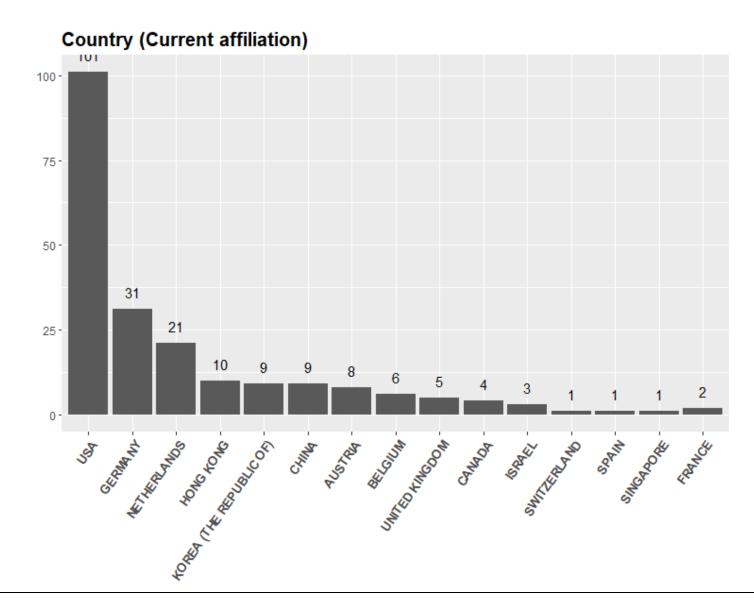


Small autobiographical research:

• Computational Methods Interest Group, ICA 2019: Chairs, Discussants, and Participants \rightarrow N = 212



International - to some degree



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Small autobiographical research (continued):

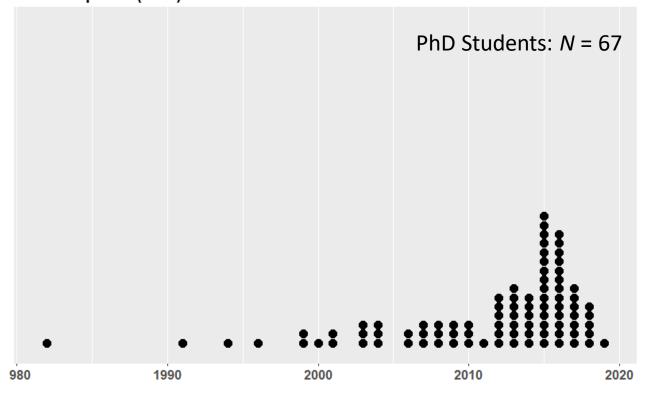
Google search with name, affiliation, country (based on ICA program)

• N = 181 with public available CV/linked in profile/university websites



A young field

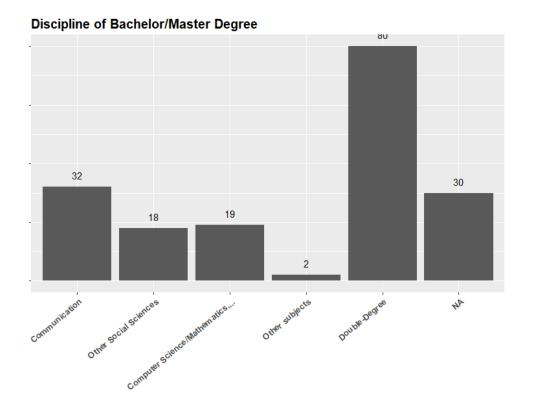
PHD Completed (Year)

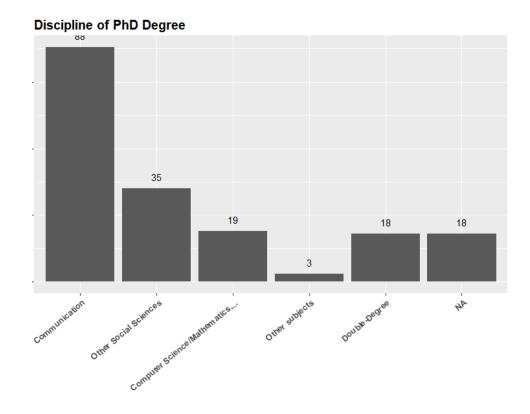


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Bachelor/Master Degrees: An interdisciplinary field, but strong focus on communication





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Challenges for 'Becoming a Computational Communication Scholars'

- Infrastructure
- Interdisciplinary Collaborations
- Skills
- Accessibility of datasets
- Communication with the field



Opportunities

In academia and beyond

ASSISTANT PROFESSOR IN COMPUTATIONAL COMMUNICATION

We seek applicants with expertise in one or more of the following areas :

- · Computational social science
- Data science
- · Social algorithms and artificial intelligence
- Web science research methods



Data Scientist: The Sexiest Job of the 21st Century

by Thomas H. Davenport and D.J. Patil FROM THE OCTOBER 2012 ISSUE

Data engineer: The 'real' sexiest job of the 21st century

As the hype around data scientists fails to meet expectations, perhaps it's time data engineer took the title as the "sexiest job of the 21st century"



Speaking at the Gartner Data & Analytics Summit 2019, London, Nick Heudecker, VP Analyst, Gartner, stated: "Data scientists just remind me of a bunch of frustrated weather forecasters."

PH.D. POSITION IN COMPUTATIONAL COMMUNICATION SCIENCE



Moving on

ICA 2019 Computational Methods Program

• Sharing resources for 'Becoming a Computational Communication Scholar' (summer schools, online courses, conferences, ...)

https://urlzs.com/FBTMv





Thank you for your attention!

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References and More on the Topic

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Images

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