

Data Science Current Status and Trends

ADAGEO SUMMIT 2021

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Statistics Department - UFRN

What we will see

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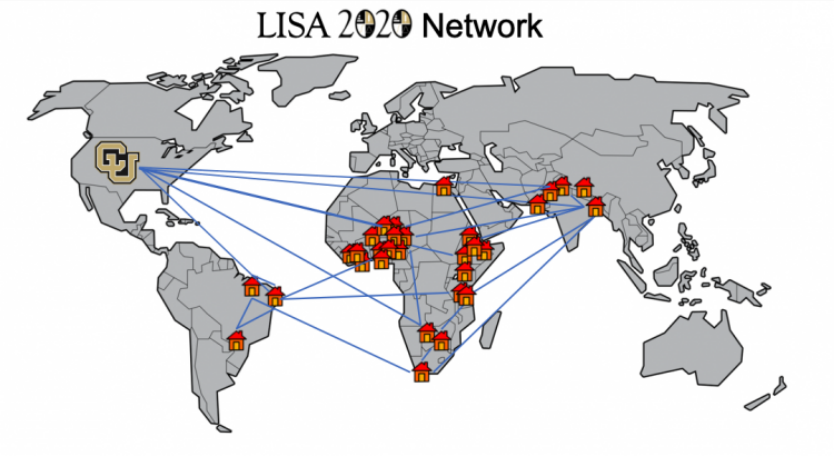
1. Who am I?
2. Motivation
3. Data Science Collaboration
4. Conclusions

Who am I?

Who am I?

- Marcus Nunes, Assistant Professor at Statistics Department, Federal University of Rio Grande do Norte
- PhD in Statistics - Pennsylvania State University (2013)
- Interested in Statistical Education, Machine Learning and Statistical Collaboration Projects
- Email: `marcus@marcusnunes.me`

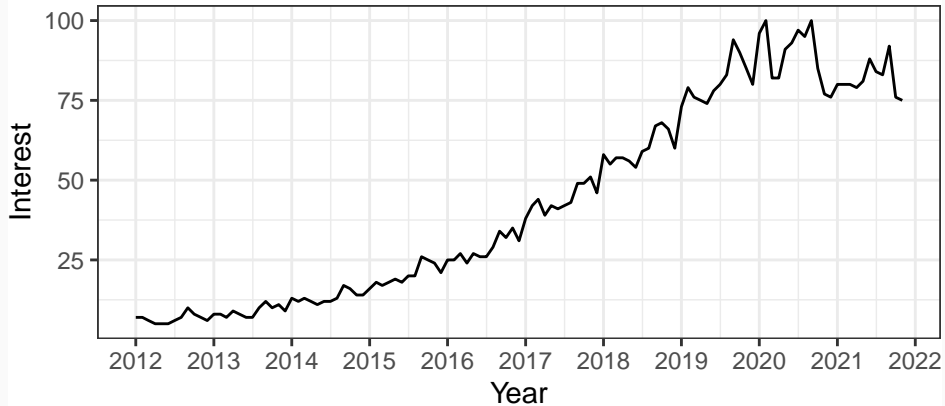
Who am I?



link

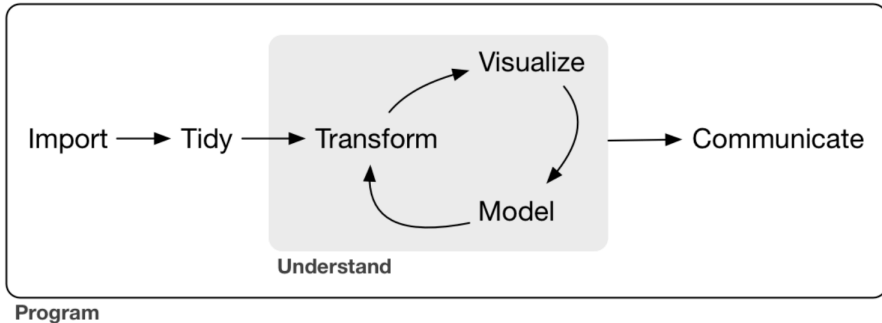
Motivation

World Interest in Data Science



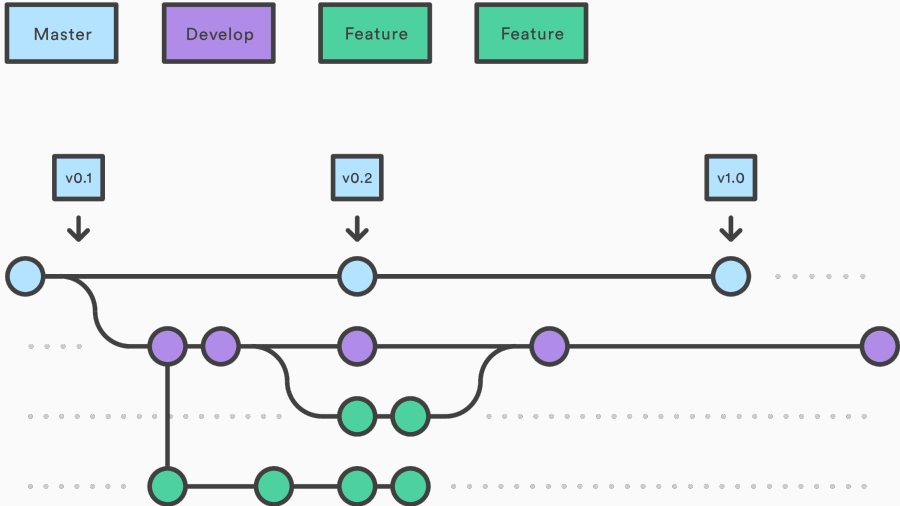
- Multidisciplinarity
- Skills of a professional 100% qualified to work with Data Science:
 - Statistics
 - Programming
 - Know the area of expertise well (geosciences, , finance, etc.)

Data Science Collaboration



Source: Golemund and Wickham (2017)

Data Science Collaboration



Source: KDnuggets

- Good statisticians and mathematicians who write code without optimization
- Good computer scientists who understand a little statistics and math
- Geoscientists with data expertise
- Managers who know how to make these people work together

- A data scientist is someone who understands programming more than a traditional statistician
- Also, understands statistics more than a traditional Computer Scientist
- And, above all, it is someone who can find solutions to problems by joining these two areas of knowledge

Conclusions

- The biggest barrier is not hardware or software: is communication
- We need to use the available tools and people to maximize our results

Contact

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