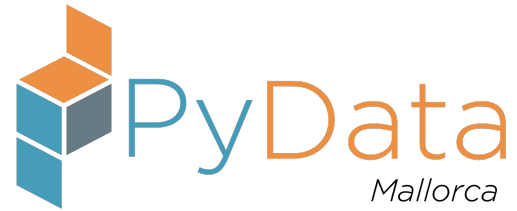




PyData

Mallorca



February 2017

Workshop: Introduction to Data Science

First, thanks to



www.economistes.org

Workshop's Agenda

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9.00 - Welcome

9.10 - Who are you?

9.30 - Introduction to the Workshop

9.45 - Introduction to Jupyter

10.00 - Reasoning about data (Titanic dataset and Anscombe's quartet)

11.00 - Breakfast: all together! :-)

11.30 - Classification problem: theory and exercise

14.00 - Lunch: do we go together too?

What's Data Science?

What's Data Science?

- Interdisciplinary field about scientific methods, processes and systems to extract knowledge or insights from data
- Also called Data-driven Science
- “The sexiest job in the 21st century”, Thomas H. Davenport, Harvard Business Review, 2012
- High demand of Data Scientists nowadays
- Today there's a big hype around Data Science

How can I become a Data Scientist?

Mom, I want to be a Data Scientist!

Three main requirements:

- Mathematics and Statistics
- Computer programming
- Domain knowledge

Data Science use cases

- Image and speech recognition
- Recommender systems
- Self-driving cars
- Sentiment analysis
- Demand forecasting
- Churn prediction
- Fraud detection
- Survival analysis
- Customer segmentation
- And many more! You can find more examples at:
<https://www.kaggle.com/wiki/DataScienceUseCases>

Thank you

Let's begin!