

Flexible Class Session #1

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Data Scientist

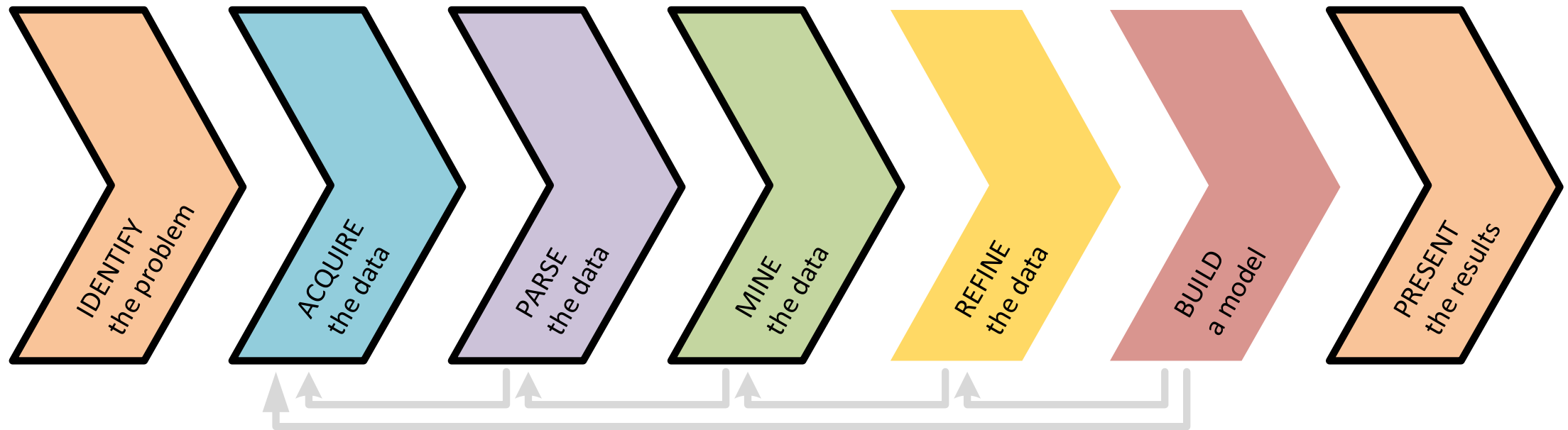
Learning Objectives

- Lab session (no lecture today) to put into practice Unit 1's concepts:
 - Research Design
 - Data Manipulation, dataset tidying and Exploratory Data Analysis with *pandas*
 - Statistics and Visualization with *pandas*
- Also, an opportunity to collaborate as a team using git/GitHub
- Have Fun doing Data Science work!

Outline

- Lab
- Presentations and Q & A
- In-flight
 - **Unit Project 2 (due next session on ~~3/10~~ 3/15)**
 - Final Project 1 (due in 1.5 weeks)

Today's Lab and the Data Science Workflow





DS

Lab

Storms, *pandas*, and GitHub



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Q & A



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Before Next Class

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- Understand the difference between vectors, matrices, *pandas Series*, and *pandas DataFrames*
- Understand the concepts of outliers and distance
- Effectively show correlations between an independent variable X and a dependent variable Y
- Be able to interpret t-values, p-values, and confidence intervals



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Exit Ticket

Don't forget to fill out your exit ticket [here](#)