DSC 207 - PYTHON FOR DATA SCIENCE

PHASES OF THE DATA SCIENCE PROCESS - PART 2

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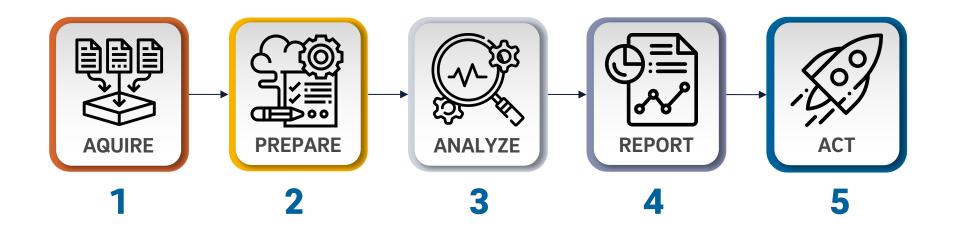


COMPUTER SCIENCE & ENGINEERING
HALICIOĞLU DATA SCIENCE INSTITUTE

By the end of this video, you will be able to:

- List the steps involved in common data science processes
- Understand what each step involves
- Explain how you can create your own data science pipeline for a given dataset

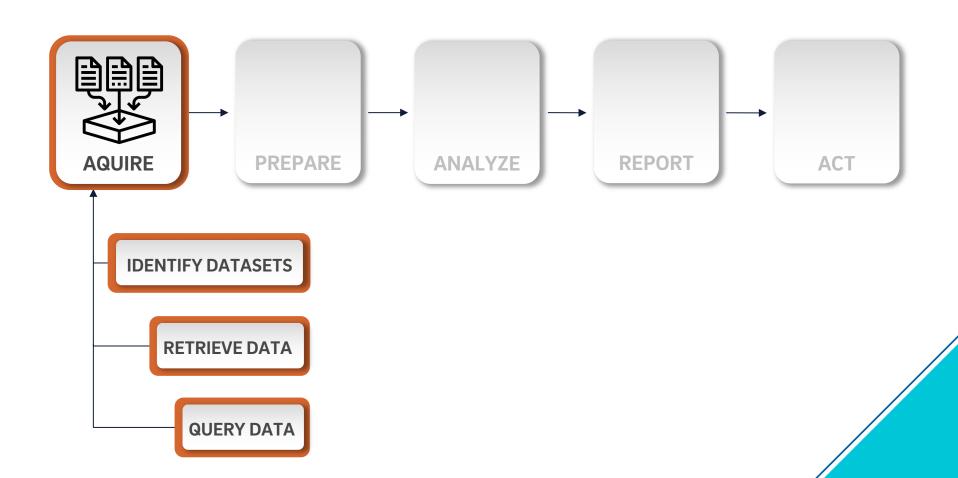
Simplified Five Step Data Science Process



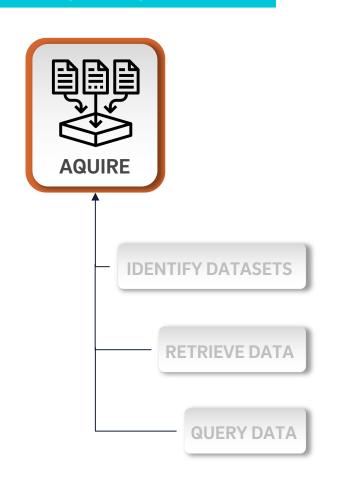
Step 1: Acquire Data

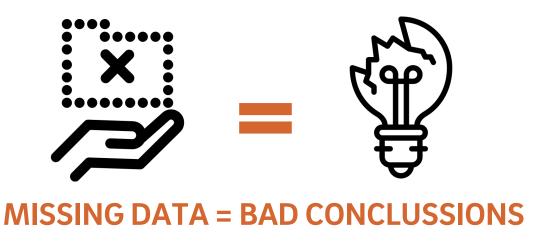


Step 1: Acquire Data

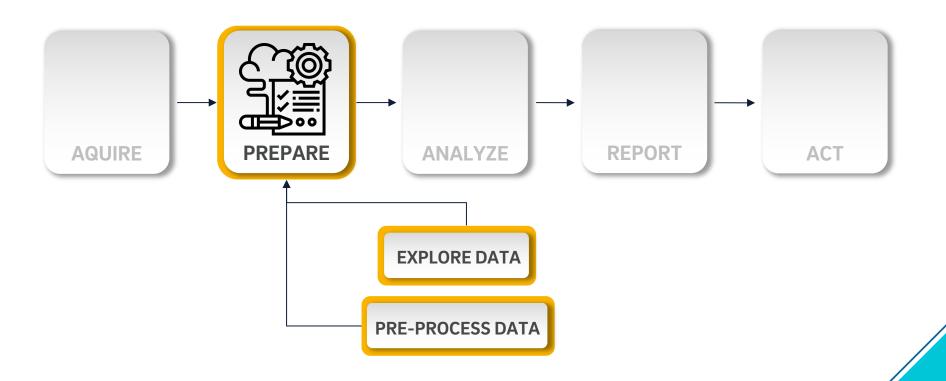


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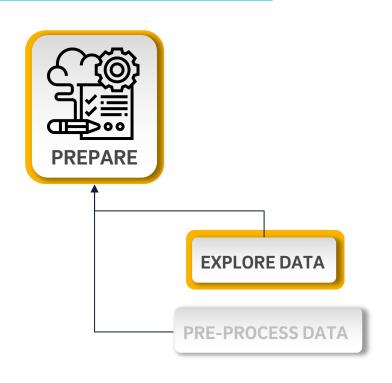


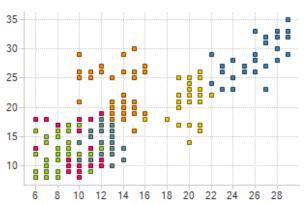


Step 2: Prepare Data

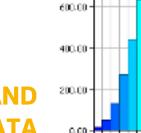


Step 2: Prepare Data





PRELIMINARY ANALYSIS



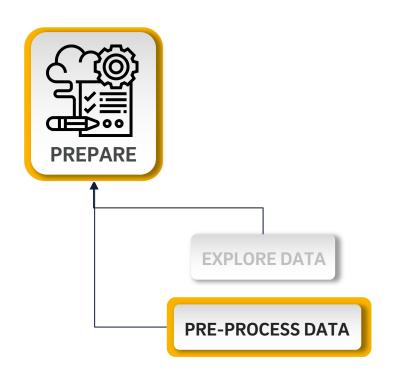
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UNDERSTAND NATURE OF DATA

Step 2: Prepare Data



CLEAN, INTEGRATE, & PACKAGE

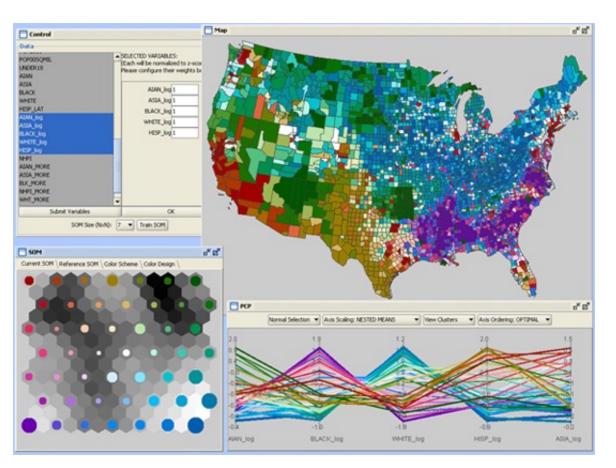


Step 3: Analyze Data



Step 3: Analyze Data





Step 4: Communicate & Report



Step 4: Communicate & Report





Step 5: Apply and Act





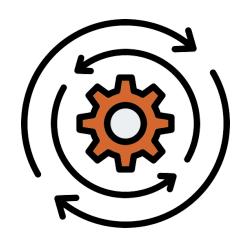
BUSINESS OBJECTIVES





Simplified Five Step Data Science Process





ITERATIVE PROCESS