

SPICED

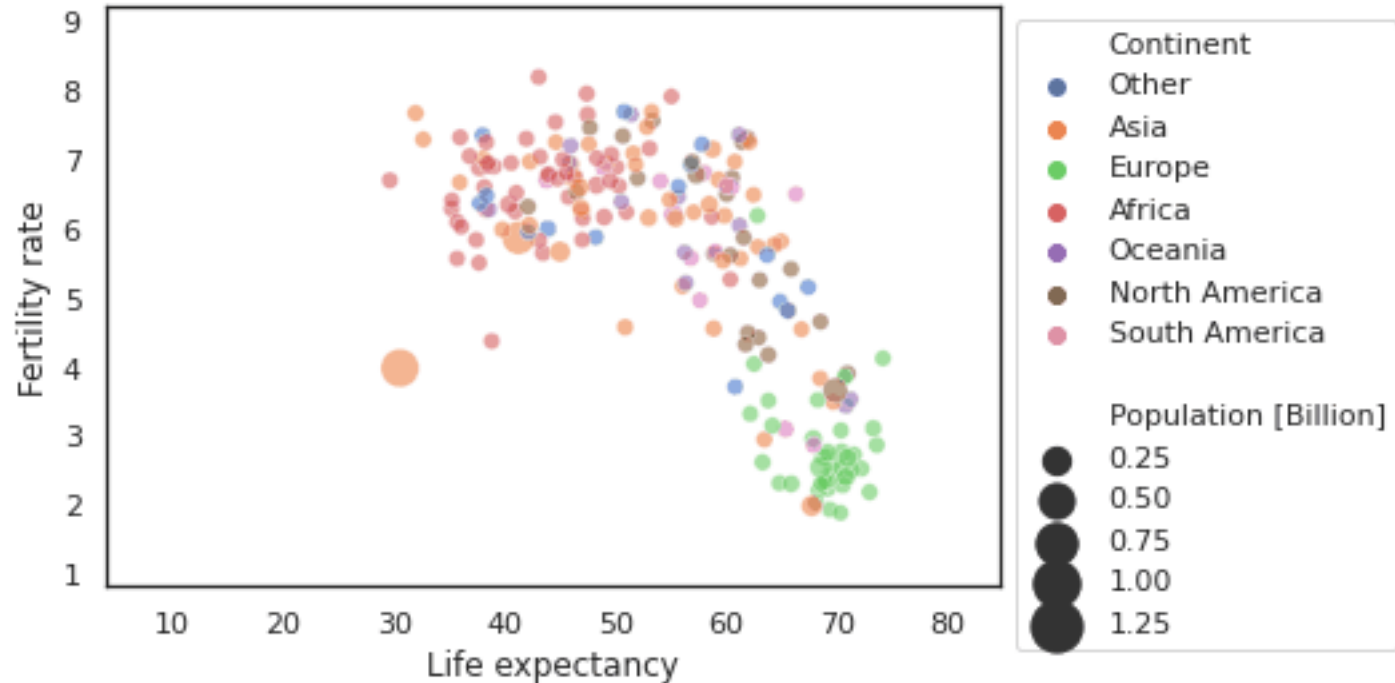
Spiced Data Science

Week 1: Visual Data Analysis

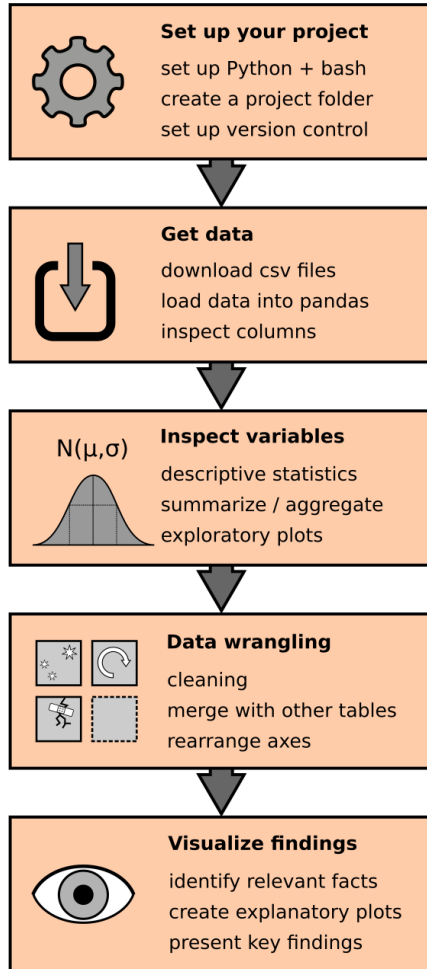


Project of the Week

Life Expectancy - Fertility Rate Correlation in 1960

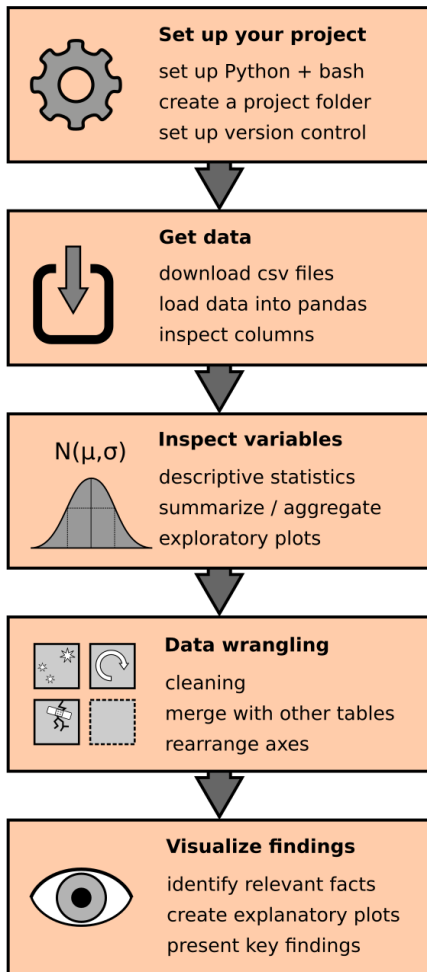


Roadmap for Visual Data Analysis



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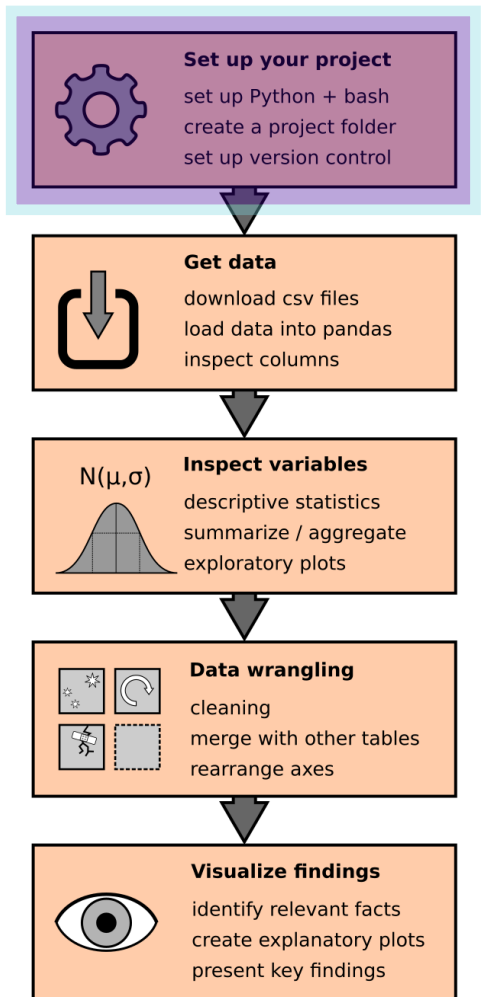
Your Schedule:




	AM	PM
Mon.	Orientation	The Command Line
Tues.	Version Control with Git	Pandas: Intro
Wed.	Plotting in Python	Descriptive Statistics
Thurs.	Aggregation	Long vs. Wide Tables
Fri.	Data Wrangling	Project Review / Presentations

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Set up your project
set up Python + bash
create a project folder
set up version control




Get data
download csv files
load data into pandas
inspect columns



Inspect variables
descriptive statistics
summarize / aggregate
exploratory plots



Data wrangling
cleaning
merge with other tables
rearrange axes

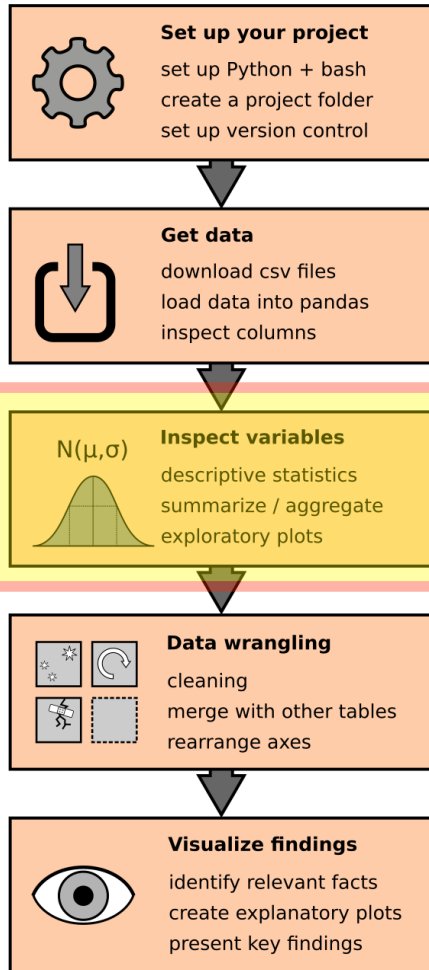


Visualize findings
identify relevant facts
create explanatory plots
present key findings

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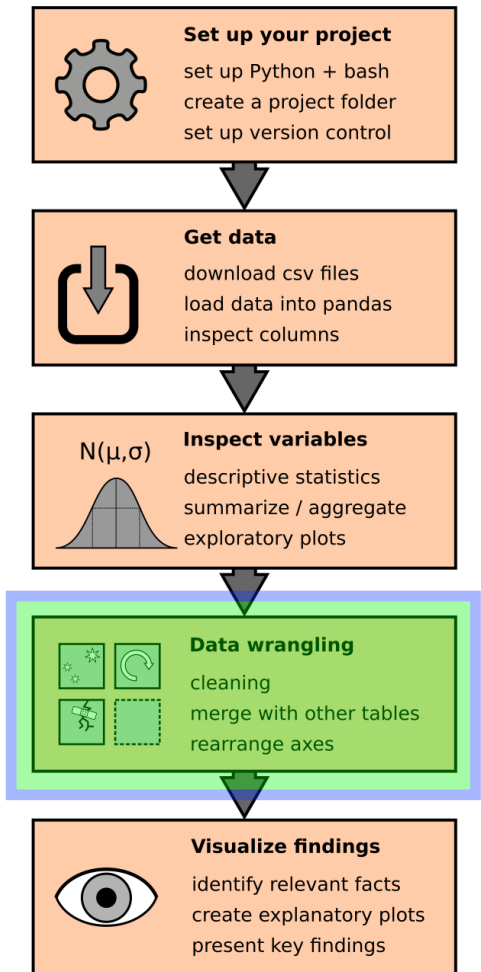
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