
INTRO TO PROJECT 3

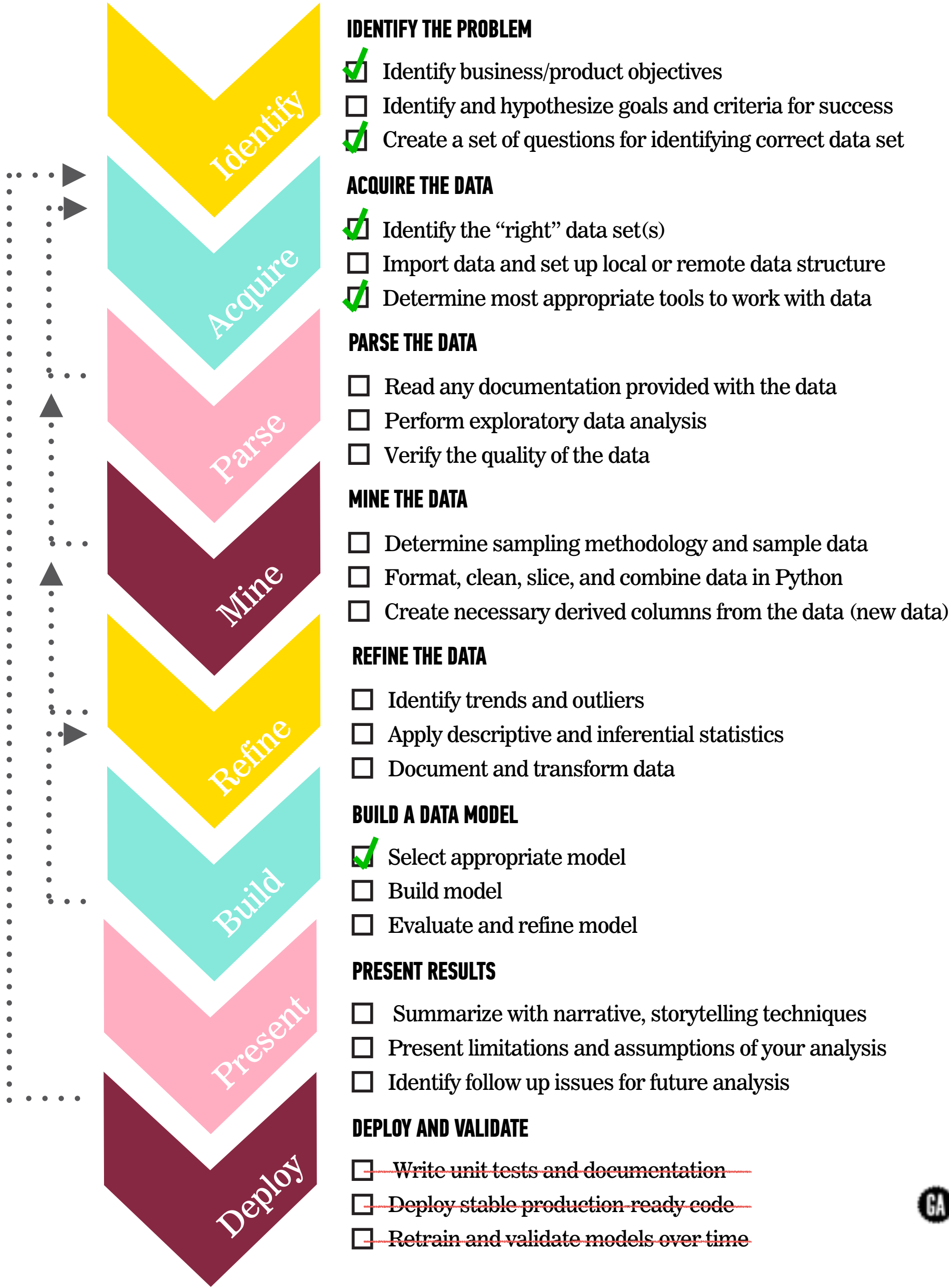
SKILLS YOU'LL DRAW ON

- **LINEAR MODELING**
- **CROSS VALIDATION**
- **HYPOTHESIS TESTING**
- **DATA CLEANING AND EXPLORATION IN PANDAS**
- **PLOTTING**
- **PRESENTING TO STAKEHOLDERS**

DATA SCIENCE WORKFLOW



DATA SCIENCE WORKFLOW



IOWA LIQUOR SALES, 2015-16

[illegible]

IOWA LIQUOR SALES, 2015-16

[illegible]

TWO PROBLEM STATEMENTS

SCENARIO 1: **STATE TAX BOARD**

You are a data scientist in residence at the Iowa State tax board. The Iowa State legislature is considering changes in the liquor tax rates and wants a report of current liquor sales by county and projections for the rest of the year.

SCENARIO 2: **MARKET RESEARCH**

A liquor store owner in Iowa is looking to expand to new locations and has hired you to investigate the market data for potential new locations. The business owner is interested in the details of the best model you can fit to the data so that his team can evaluate potential locations for a new storefront.

PRESENTING YOUR ANALYSIS



ON FRIDAY AFTERNOON YOU WILL PRESENT A MINIMUM VIABLE PRODUCT

- 5 minute presentations
- Your basic findings for 1 of the 2 scenarios
- Include your problem statement, model, and supporting statistics

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BOTH SCENARIOS DUE ON GITHUB NEXT THURSDAY, 6/30