

Catherine Safrit, Shashank Appidi, Carsten Lingemann, Taylor Ferguson



#### Description of data types

- Ratings for chocolate from 2006 to 2020
- Company Location (66 distinct values)
- Country of Bean Origin (62 distinct values)
  - % of Cocoa (ranges from 42-100)
  - # of Ingredients (ranges from 1-6)
- Boolean indicators for whether or not the

Chocolate contains Cocoa Butter, Vanilla, Lecithin, Salt, Sugar, and/or other Sweetener without Sugar

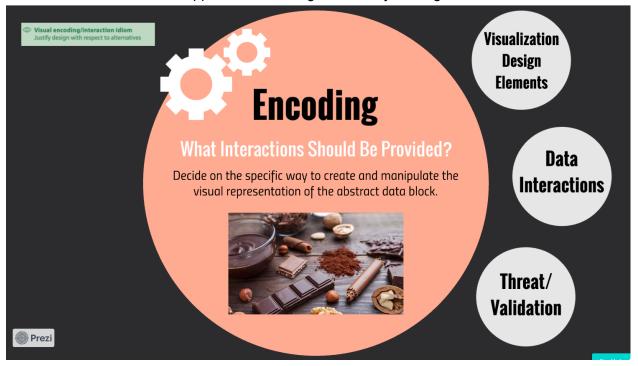
Descriptions of Taste



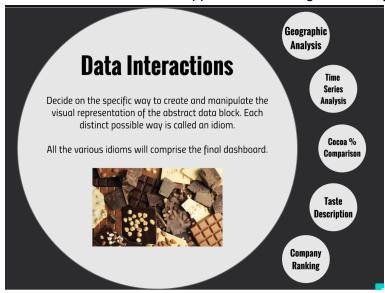
# **Threat/Validation**

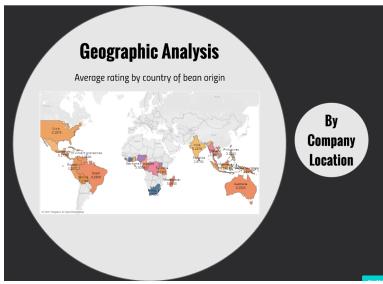
**Threat:** Bad data/operation abstraction

**Validation:** Test product on target users, collect anecdotal evidence of utility. Have a member of the target user community try the tool. Verify it solves for outlined problems.

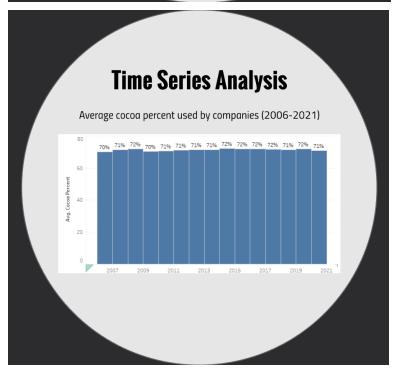


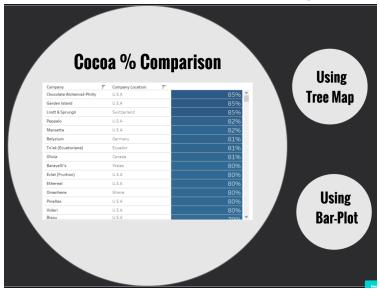


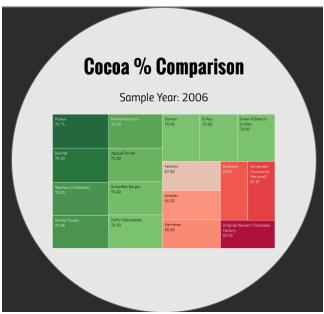


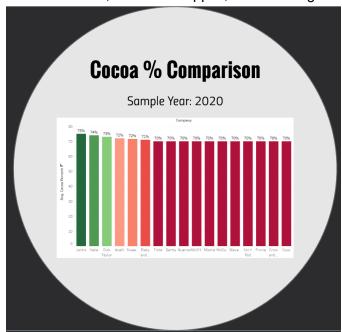


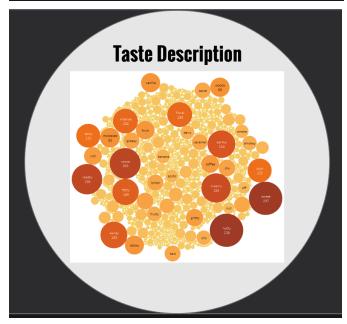




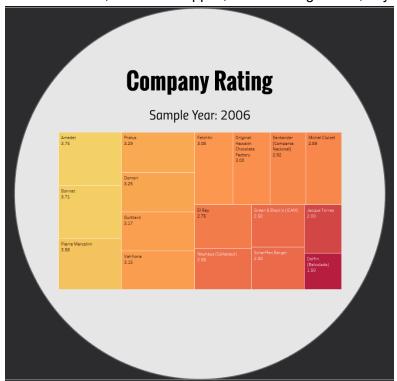








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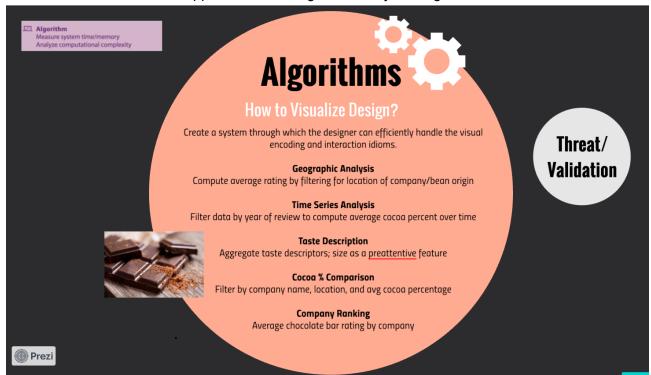


# **Threat/Validation**

**Threat:** The selected visualizations, elements and comparisons are not effective at communicating the desired abstraction to the person using the system.

**Validation:** Carefully justify the design with respect to known perceptual and cognitive principles.

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# **Threat/Validation**

**Threat:** Slow algorithm. Interface is suboptimal in terms of loading times. Algorithm is incorrect and doesn't load data interactions or encoding properly.

**Validation:** Maximize for simplicity in design. Minimize abstractions for speed when possible. Check for correctness in coding.

