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# Visualization for Data Science

## DS-4630 / CS-5630 / CS-6630

Group Activity: Coffee Shop Menu Abstraction

# Coffee Shop Menu Abstraction

| ESPRESSÓ<br>& HOT TEA  |              |                |               |
|--|--------------|----------------|---------------|
|  | 8oz<br>SMALL | 12oz<br>MEDIUM | 16oz<br>LARGE |
| GUATEMALA CASI CIELO<br><i>Floral, lemon &amp; cocoa</i>               | 1.50         | 1.70           | 1.90          |
| GUATEMALA CASI CIELO <i>de-caf</i><br><i>Floral, lemon &amp; cocoa</i> | 1.50         | 1.70           | 1.90          |
| SUMATRA<br><i>Spicy, herbal &amp; earthy</i>                           | 1.50         | 1.70           | 1.90          |
| ESPRESSO   | 1.45         | 1.70           | 1.85          |
| AMERICANO  | 1.60         | 1.80           | 2.00          |
| CAFÉ LATTE   | 2.15         | 2.75           | 3.20          |
| CAPPUCCINO   | 2.15         | 2.75           | 3.20          |
| CAFÉ MOCHA   | 2.65         | 3.05           | 3.55          |
| ORGANIC BREAKFAST  | 1.70         | 1.90           | 2.10          |
| ORGANIC LONG LIFE GREEN TEA  | 1.70         | 1.90           | 2.10          |
| MONSOON CHAI   | 1.70         | 1.90           | 2.10          |
| CHAI TEA LATTE   | 2.40         | 2.95           | 3.35          |
| BLACK TEA LATTE  | 2.20         | 2.55           | 3.20          |
| HOT CHOCOLATE  | 2.50         | 2.75           | 3.00          |
| HOMEMADE SYRUP FLAVORS   | .50 each     |                |               |

## Instructions:

1. Determine the data attributes included on the menu (approx. 5).
  - For each attribute, determine the type (categorical, ordinal, or quantitative).
2. Develop some possible derived attributes, along with their type (try for 5-10).
3. Given the attributes identified in #1 and #2, build the schema for a table/spreadsheet to hold the attributes and the data.



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## Submission:

- Create a Google Sheets document
  - ***Add names and set permissions so we can access it***
- On one sheet, provide the metadata (i.e., #1 and #2 from the instructions).
  - Each attribute should have a short name, a type, and a brief description.
- Create a second sheet (same document) to hold the schema (i.e., #3 from the instructions)
- Provide a link to your Google Sheet via the Google form on the course website.