**Assignment 6- Small Multiples**

Course: 6380.003

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**Top 5 Counties of California:**

Placer, D60 Sierra Mountains, Yuba, Butte, Sutter

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The visualization reveals **yield trends across the top 5 counties in California** (1971–1975). It shows insights:

1. **Fluctuations in crop yields** over the years, indicating possible impacts of climate, soil conditions, or farming practices.

2. **Certain commodities** (e.g., Barley and Sorghum**) follow similar patterns**, suggesting external influences like weather or agricultural policies.

3. **Some counties consistently outperform others**, highlighting regional advantages in crop production.

7. Two commodities show a similar pattern: Wheat All and wheat Winter All.

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9. **Logical (Logos) Rhetoric used for data to drive insights**

Logos focuses on logical reasoning, factual evidence, and data-driven conclusions. This rhetoric fits the visualization perfectly because:

* The story is **built on numerical data** (average crop yields, trends over time, county rankings).
* Each claim made in the narrative is **supported by visual evidence** (charts, graphs, and filters applied in Tableau).
* The insights are drawn to follow a **clear progression**—starting from national-level trends, zooming into state-level, and then analyzing county-level changes.
* Cause-and-effect relationships, such as how climate, geography, and farming practices might influence yield variations, are explained logically.

**How it was used in the visualization:**

* The **comparison of states** logically establishes which regions are agricultural leaders.
* The **county-level analysis** shows how zooming in on local trends can reveal more detailed insights.
* Identifying **commodity patterns over time** helps us understand whether external factors like policy changes or climate shifts played a role.

**Why does this rhetoric fit:**

Since the goal is to **inform based on data**, Logos ensures logical reasoning. Unlike emotional and ethical appeals, this approach keeps the analysis **objective and educational**.