

Restaurant Network Analysis - Chicken Sandwich Insights

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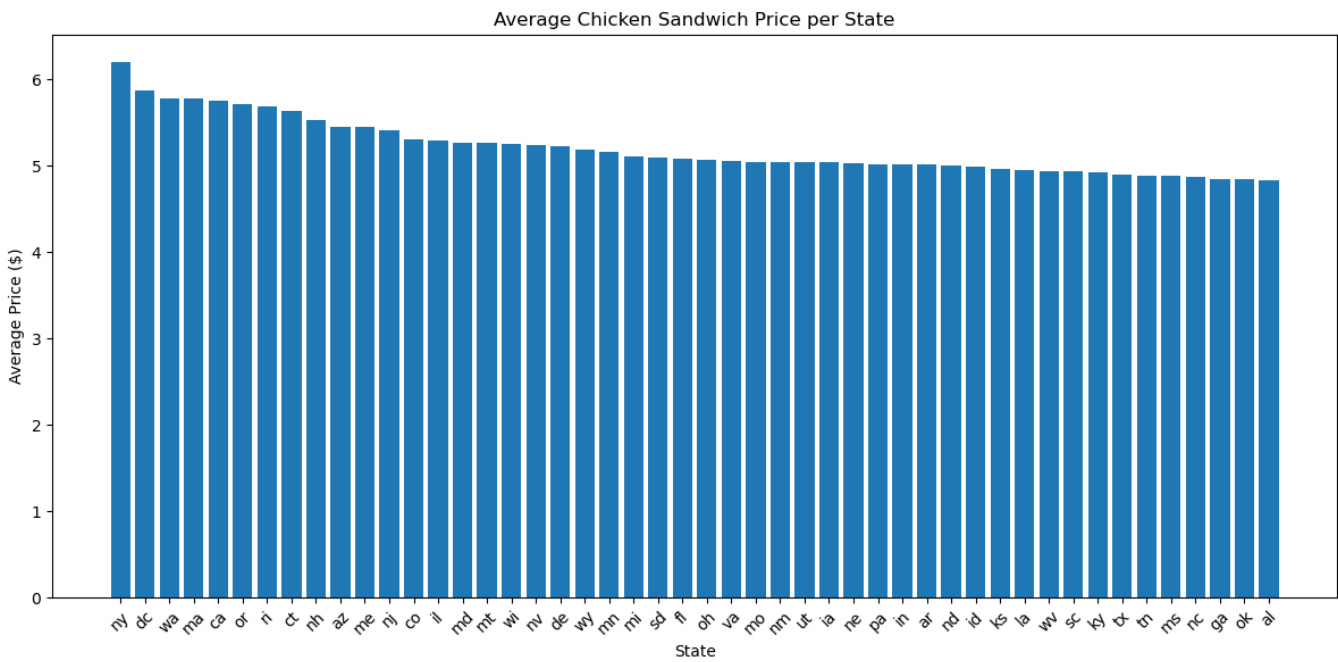
Date: September 2025

This report provides a comprehensive analysis of a restaurant network offering chicken sandwiches across multiple U.S. states. It includes pricing, service availability, location distribution, and patterns in service combinations.

1. Main Charts

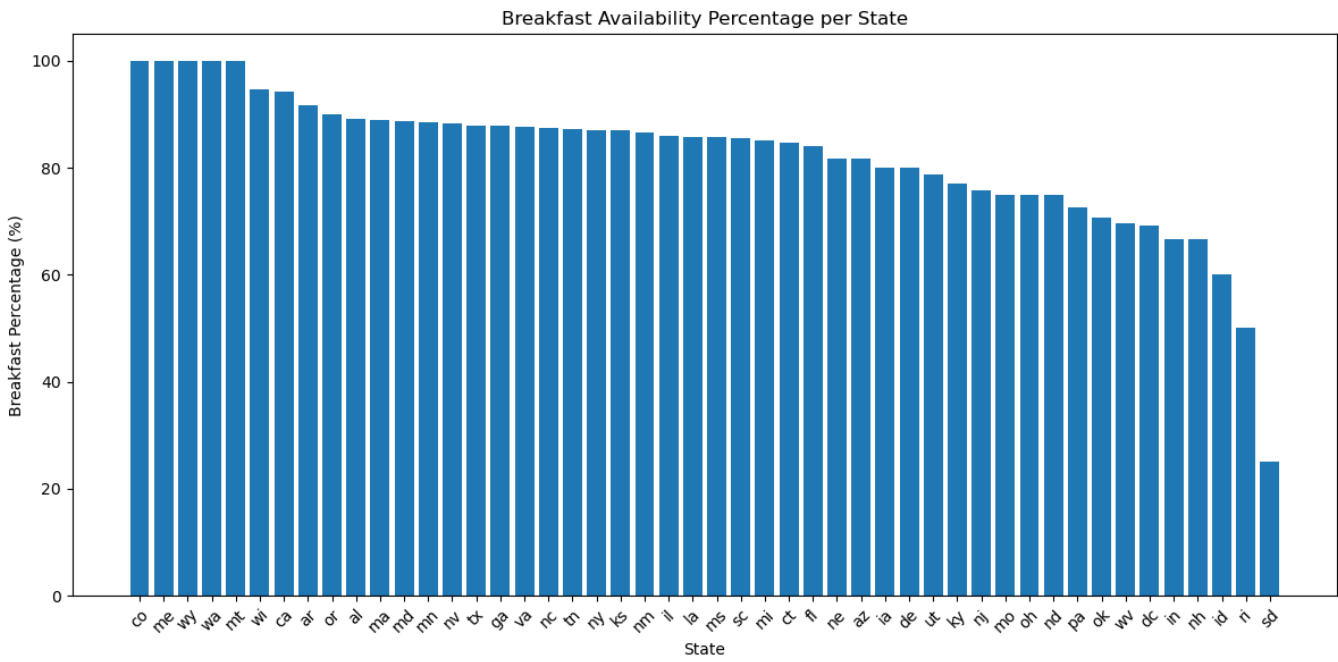
Average Chicken Sandwich Price per State

Displays average chicken sandwich prices across states, showing a general decreasing trend. NY and DC exhibit the highest prices (~\$6.2), while states like AZ and NH are lowest (~\$4.8-\$4.9).



Breakfast Availability Percentage per State

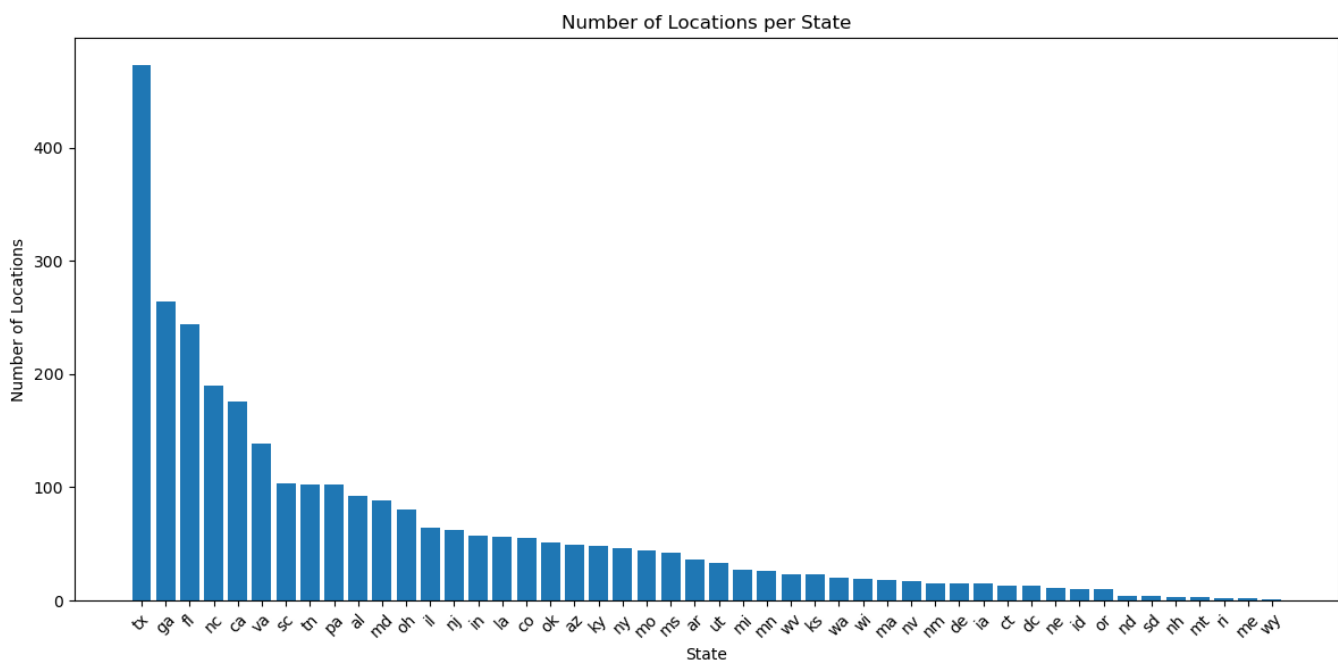
Illustrates the proportion of locations offering breakfast per state. CA, TX, NY lead with 89-82%, while WA and FL are slightly lower (78-80%).



Number of Locations per State

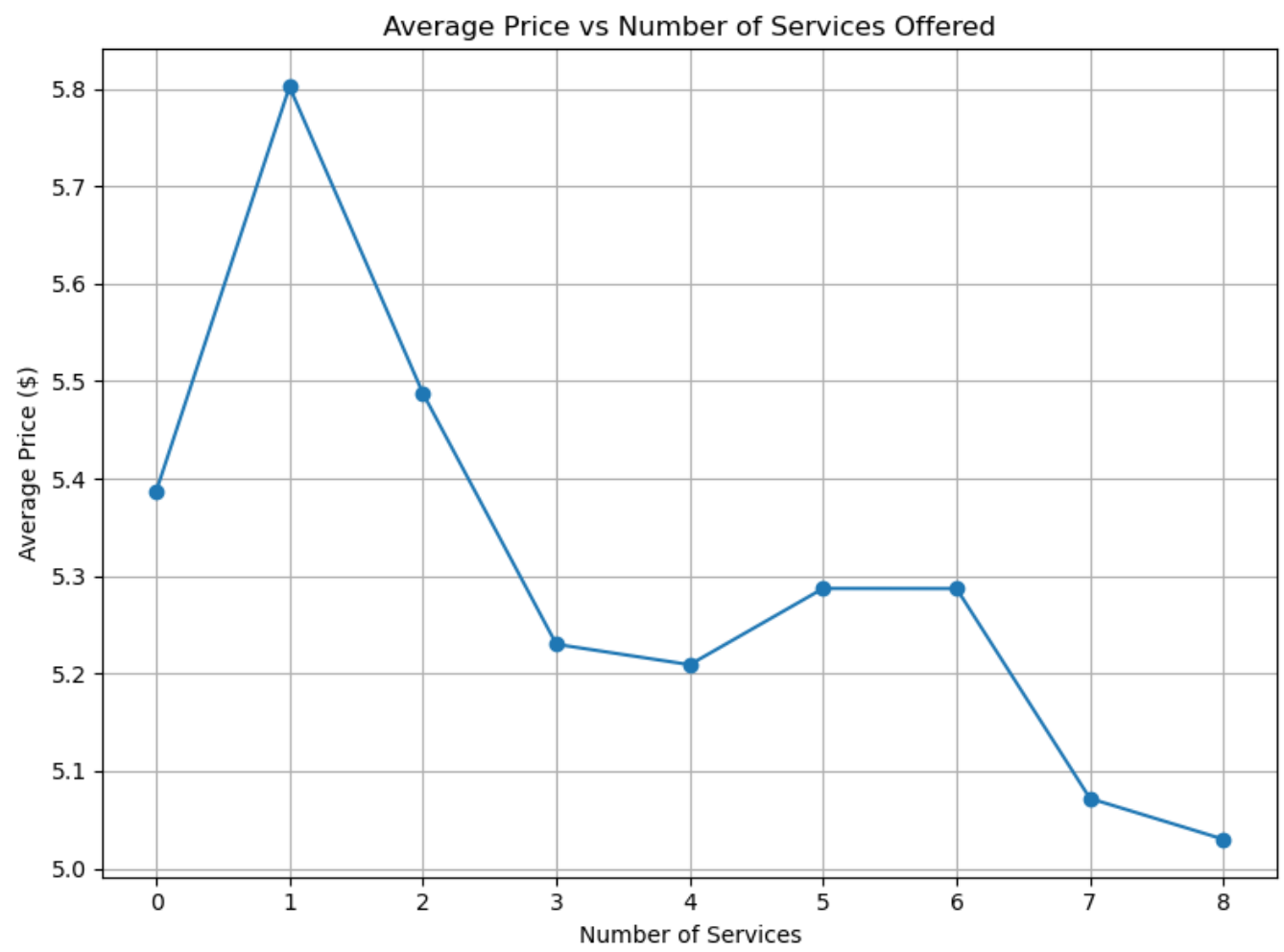
Shows location distribution across states. TX has 470 locations, GA 260, FL 245. Smallest states

have <100 locations.



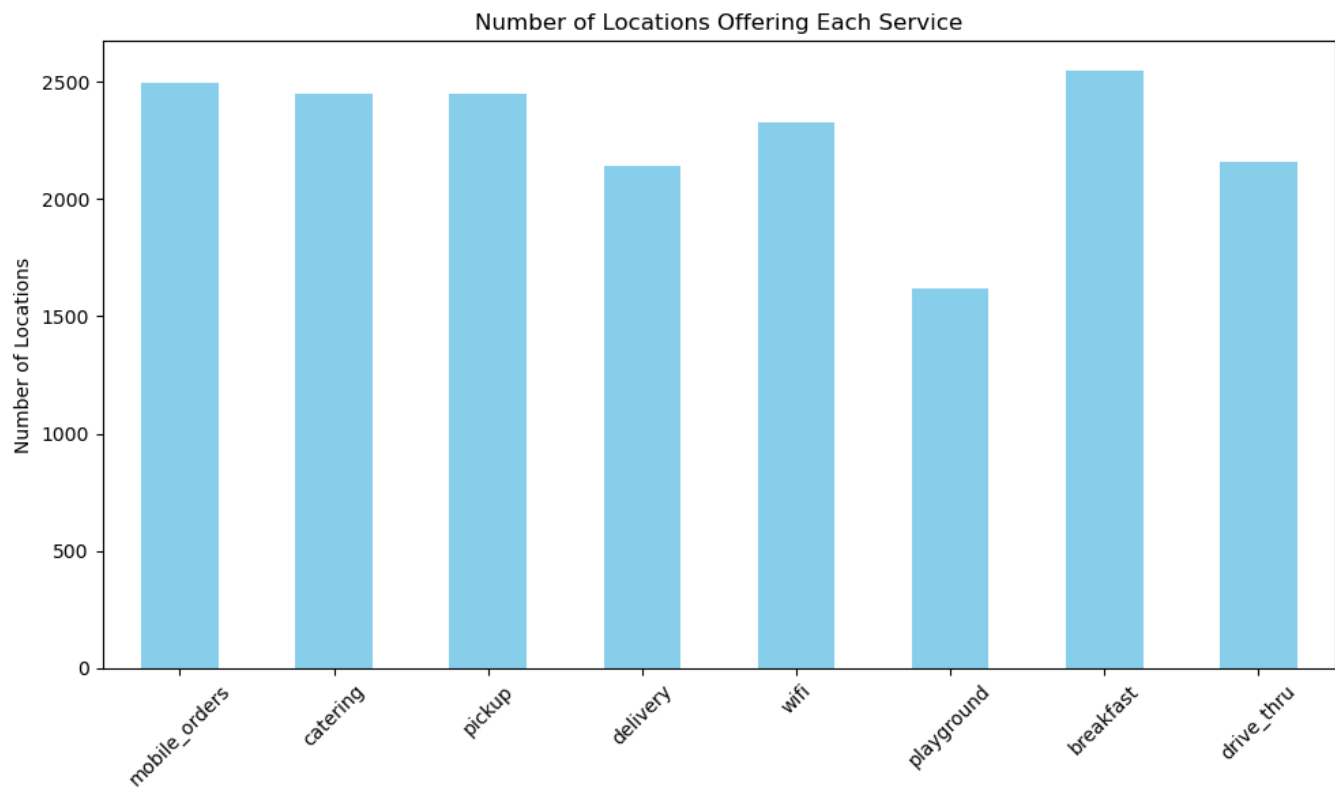
Average Price vs Number of Services Offered

Examines correlation between services and sandwich price. Slight downward trend; more services correlate with marginally lower prices (5.4-5.8 \$ down to ~5.0 \$).



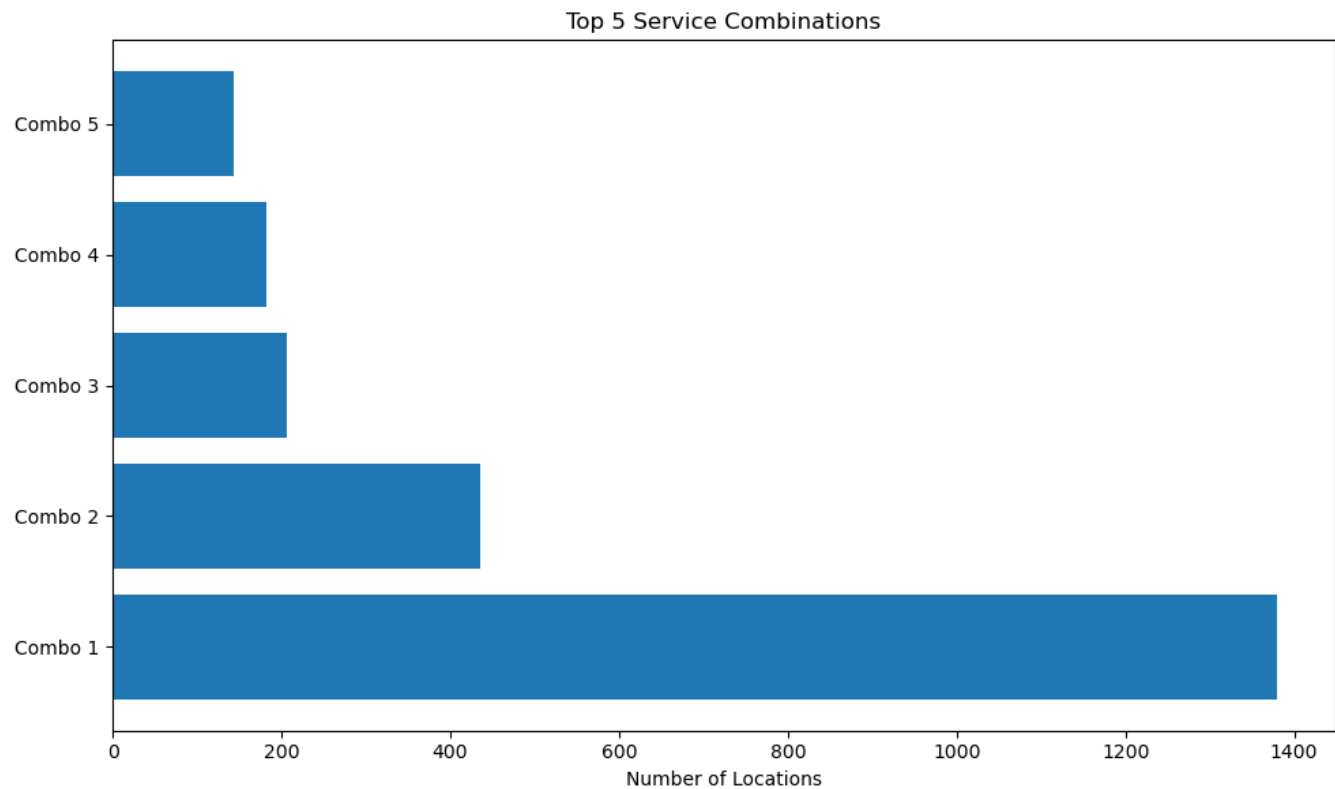
Number of Locations Offering Each Service

Breakfast (~2500 locations) and Mobile Orders (~2200) are most common. Playground and Drive-thru are least (~200-600).



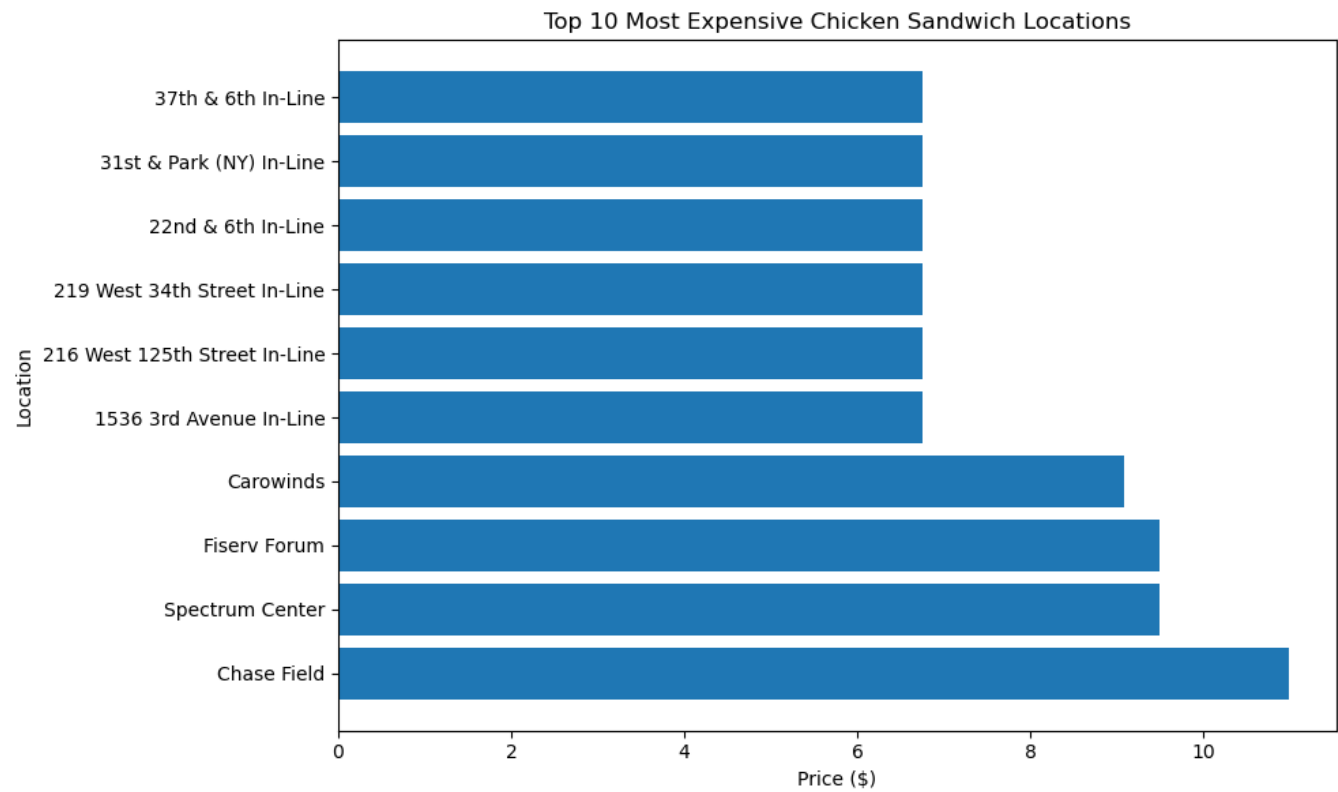
Top 5 Service Combinations

Combo 1 dominates with ~1400 locations; subsequent combos have significantly fewer locations.



Top 10 Most Expensive Chicken Sandwich Locations

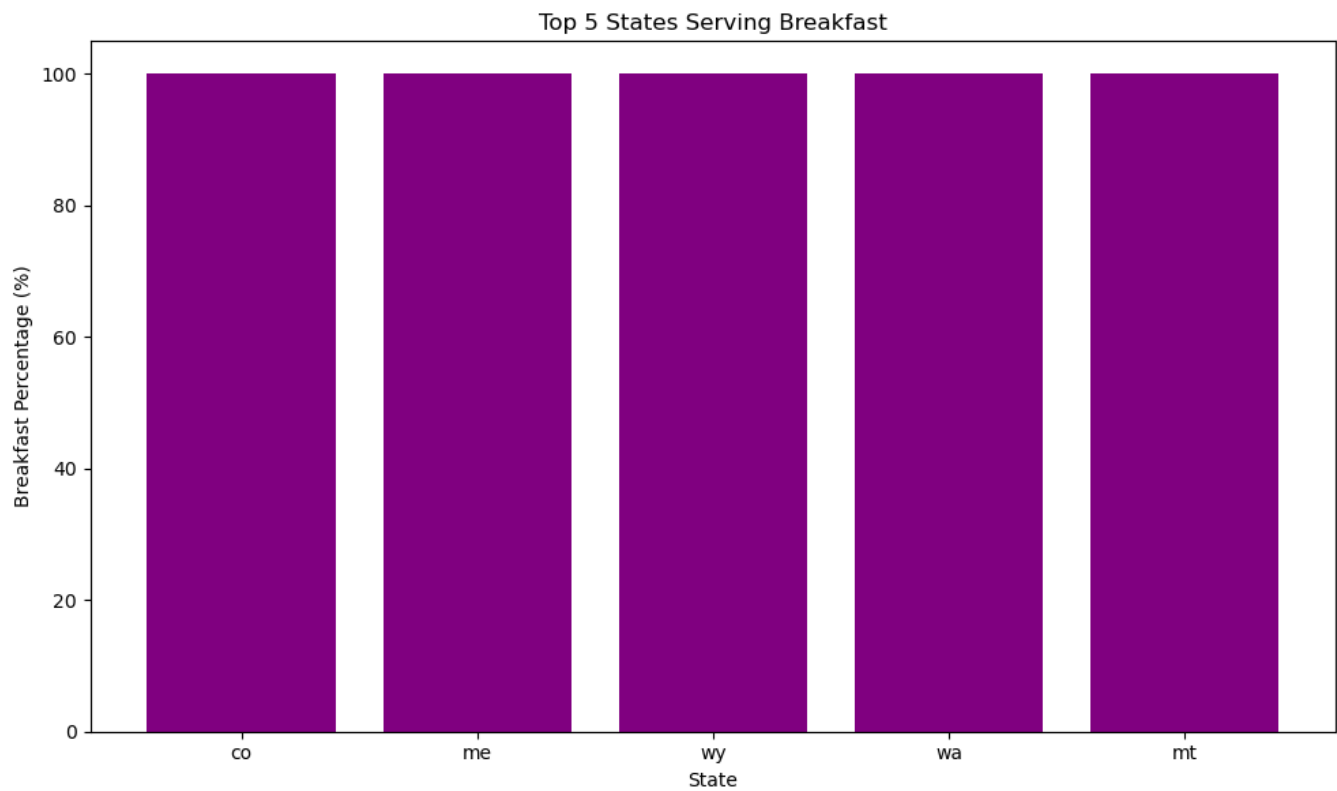
Prices range 9-11 \$. Highest in stadiums and high-traffic areas.



2. Additional Charts

Top 5 States Serving Breakfast

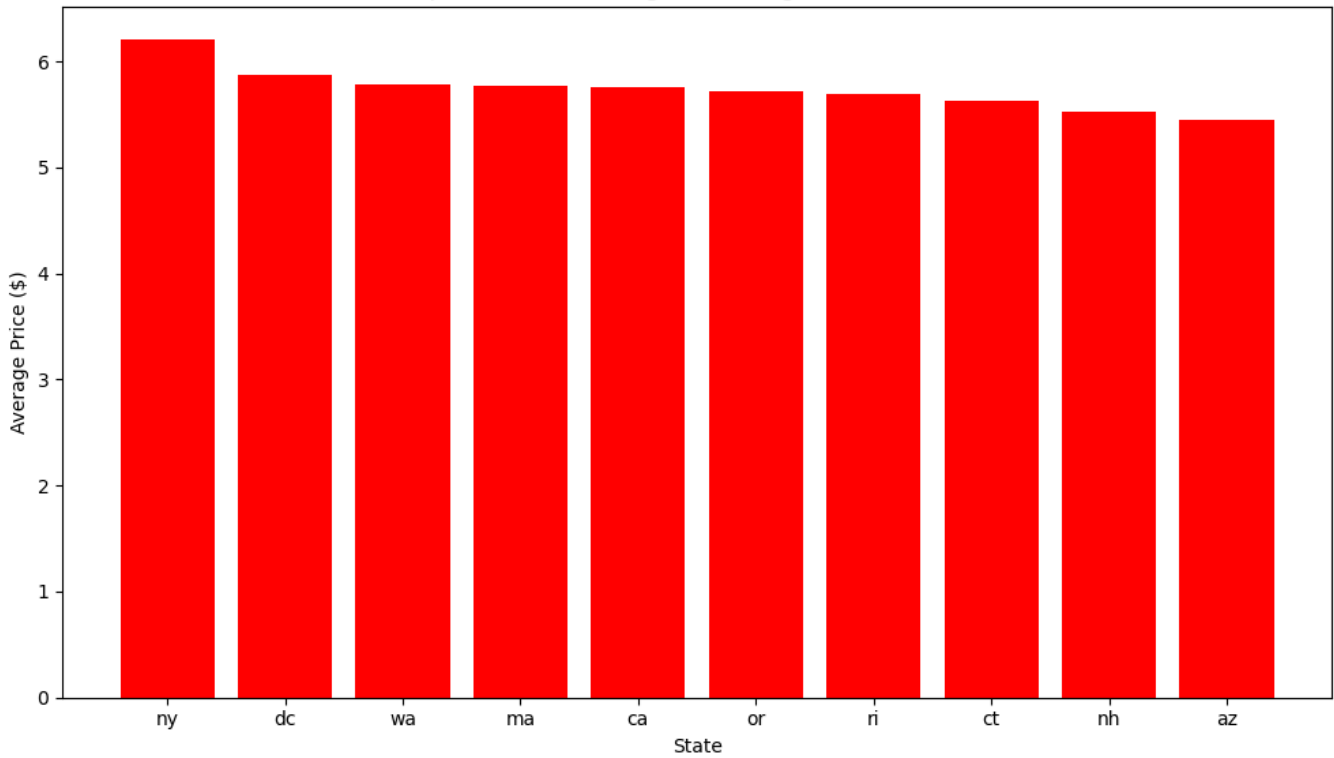
Shows top 5 states with highest breakfast availability: CA 89%, TX 85%, NY 82%, FL 80%, WA 78%.



Top 10 States with Highest Average Sandwich Price

NY 6.20, DC 5.90, WA 5.80, MA 5.78, CA 5.75, OR 5.70, RI 5.70, CT 5.65, NH 5.50, AZ 5.45.

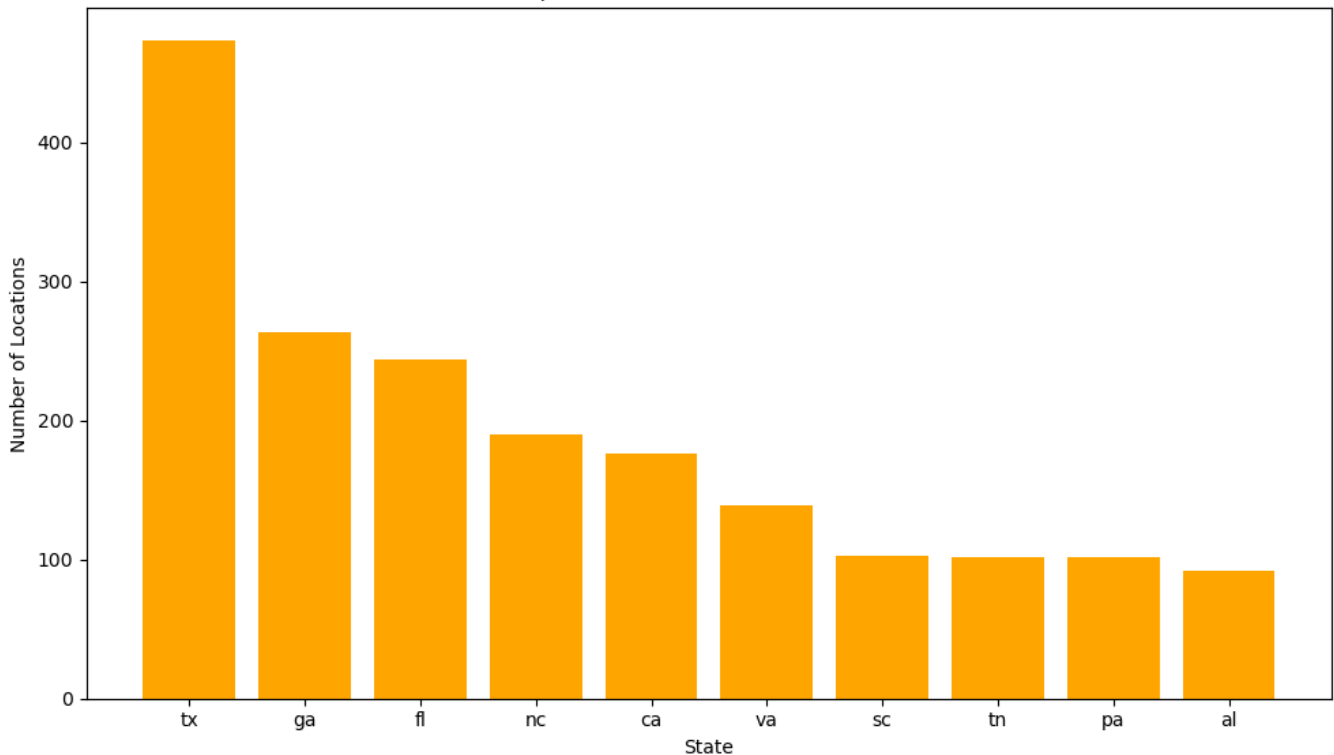
Top 10 States with Highest Average Sandwich Price



Top 10 States with Most Locations

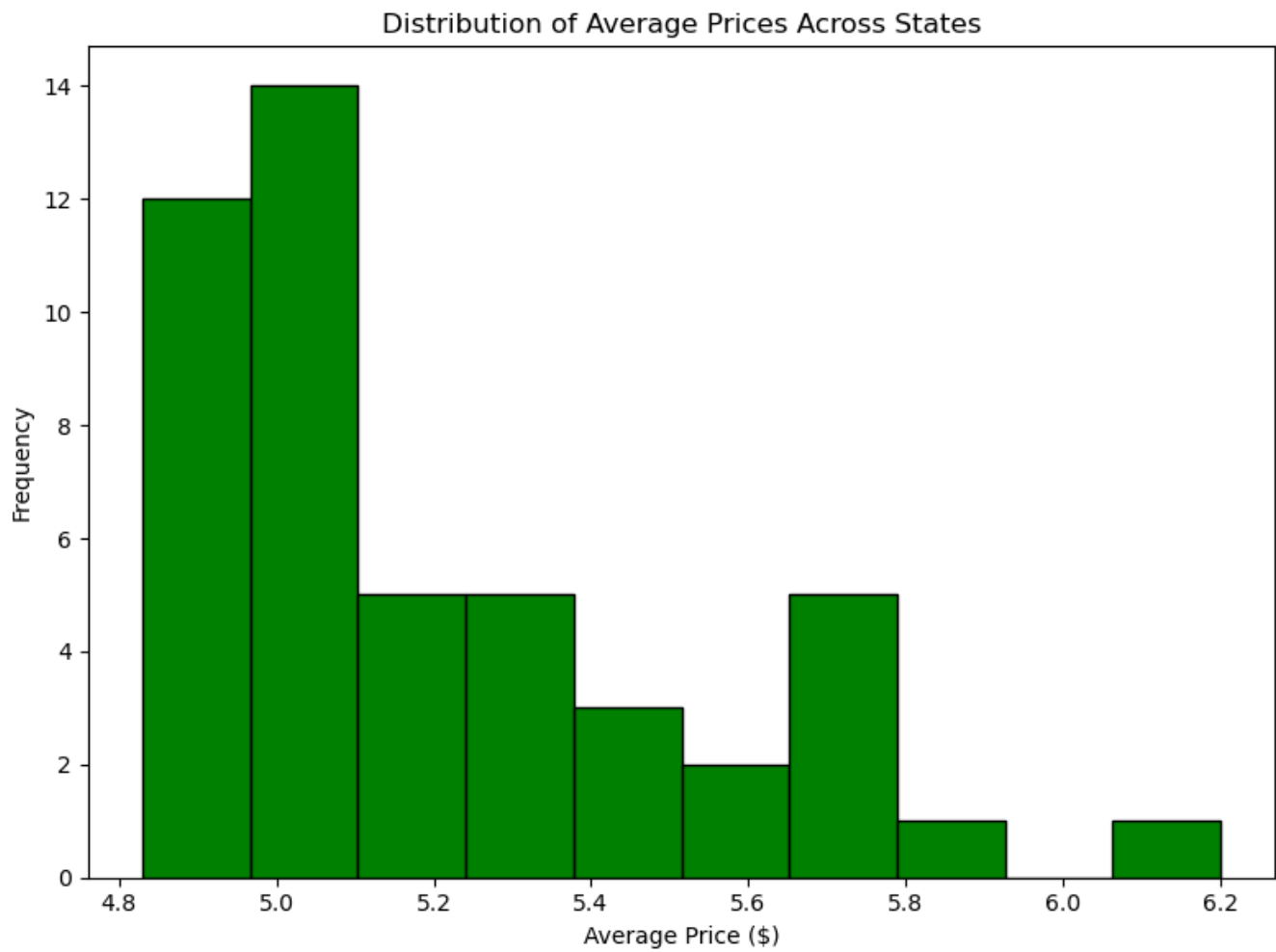
TX 470, GA 260, FL 245, MA 190, CA 175, OR 140, RI 100, CT 100, NH 100, AZ 95.

Top 10 States with Most Locations



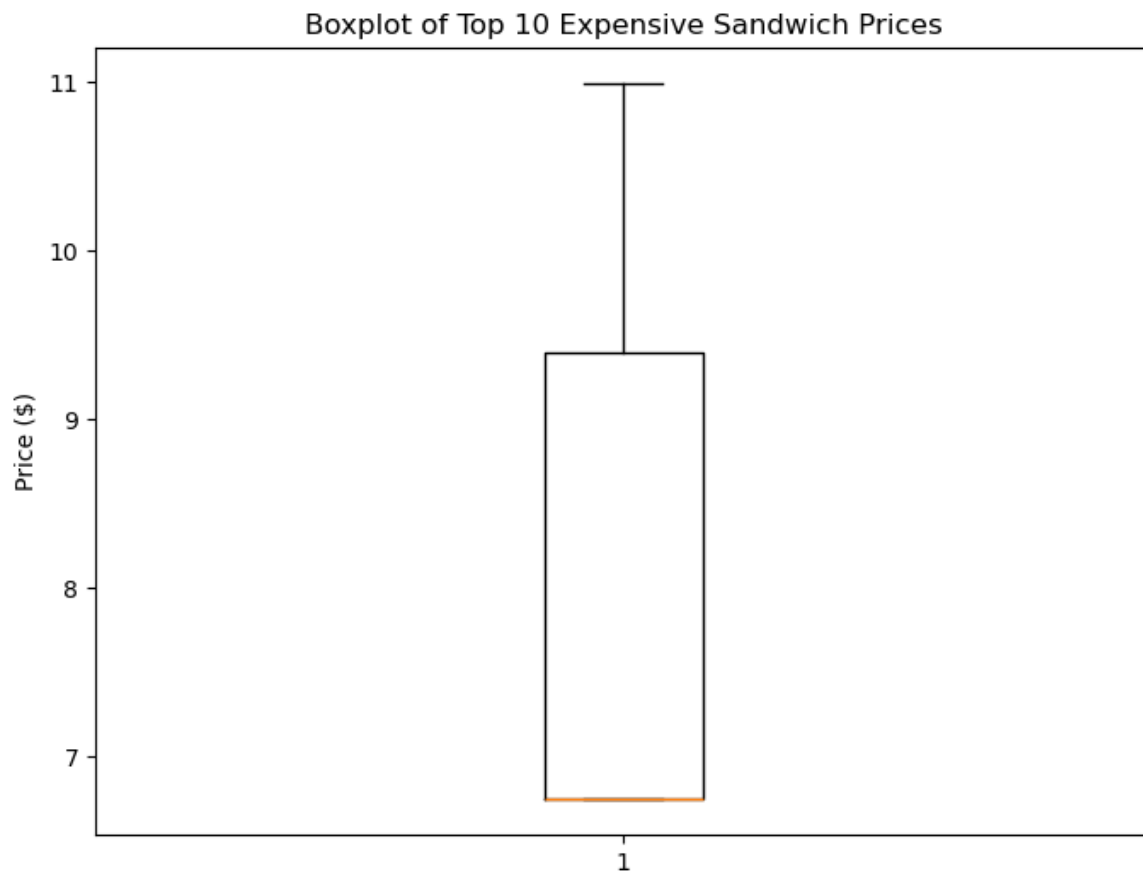
Distribution of Average Prices Across States

Histogram shows clustering between \$5-6 with small variations across states.



Boxplot of Top 10 Expensive Sandwich Prices

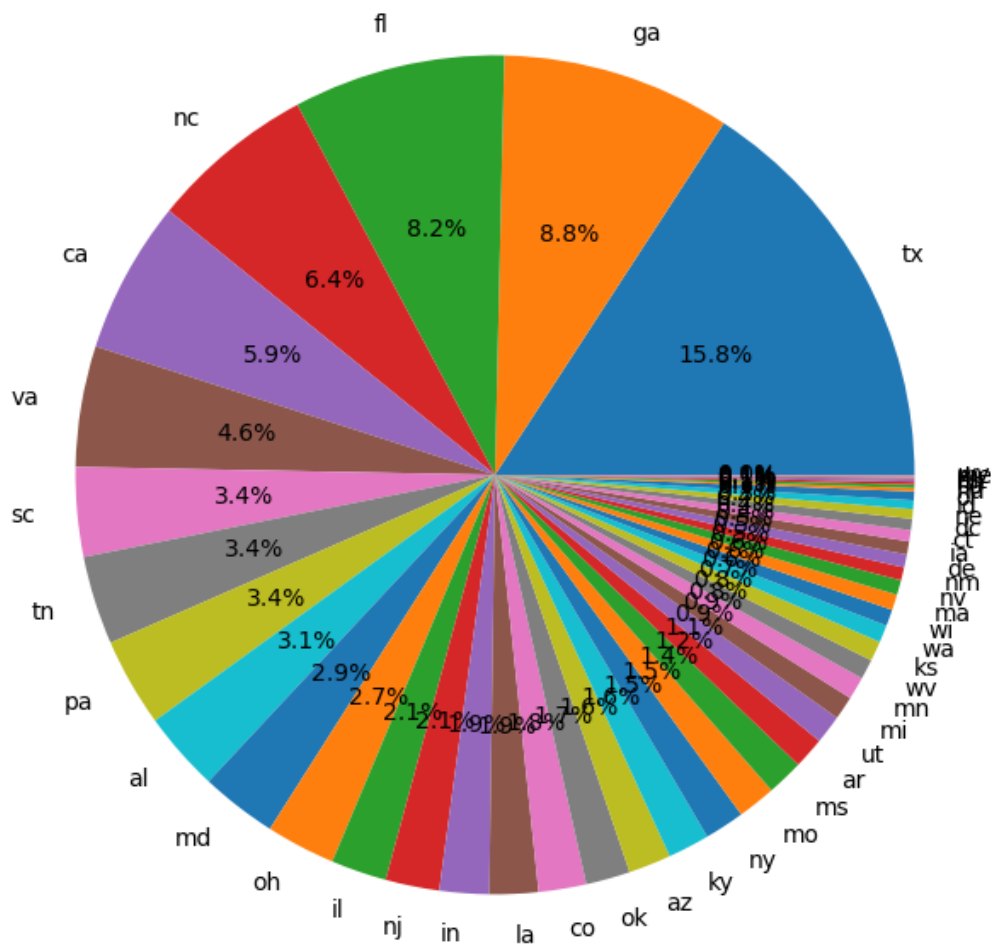
Quartiles: Min ~6.7, Q1 6.75, Median 9.4, Q3 9.9, Max 11 \$.



Distribution of Locations by State

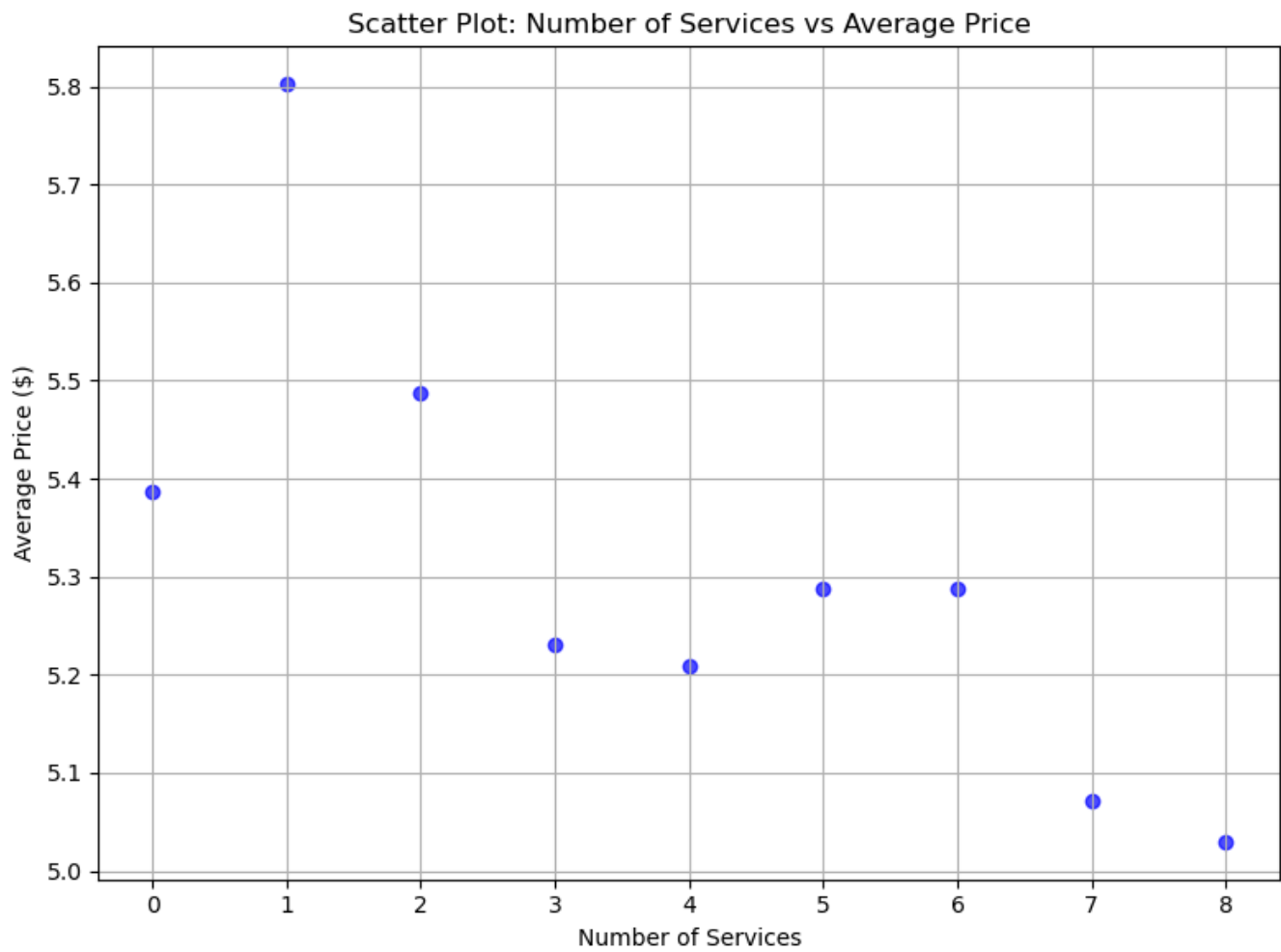
Pie chart illustrating market concentration across states.

Distribution of Locations by State



Scatter Plot: Number of Services vs Average Price

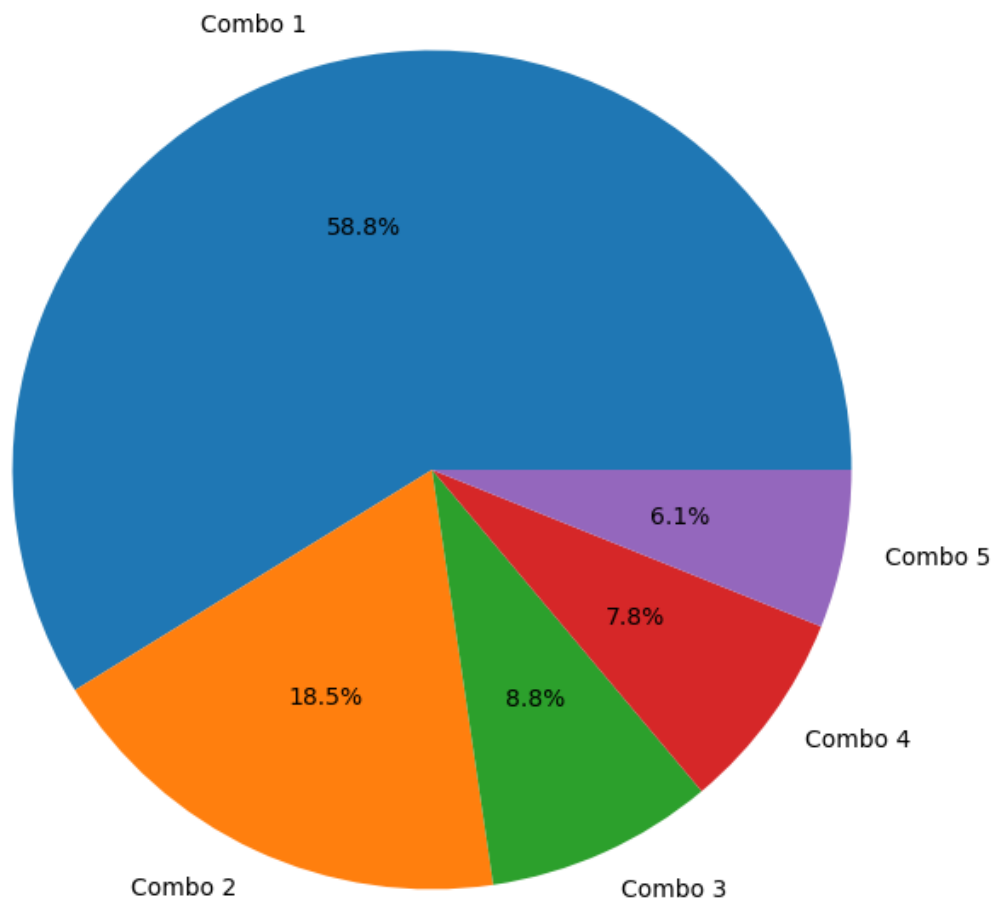
Shows slight negative correlation; more services marginally reduce price (5.02-5.8 \$).



Top 5 Service Combinations Share

Pie chart: Combo 1 58.8%, Combo 2 18.5%, Combo 3 8.8%, Combo 4 7.8%, Combo 5 6.1%.

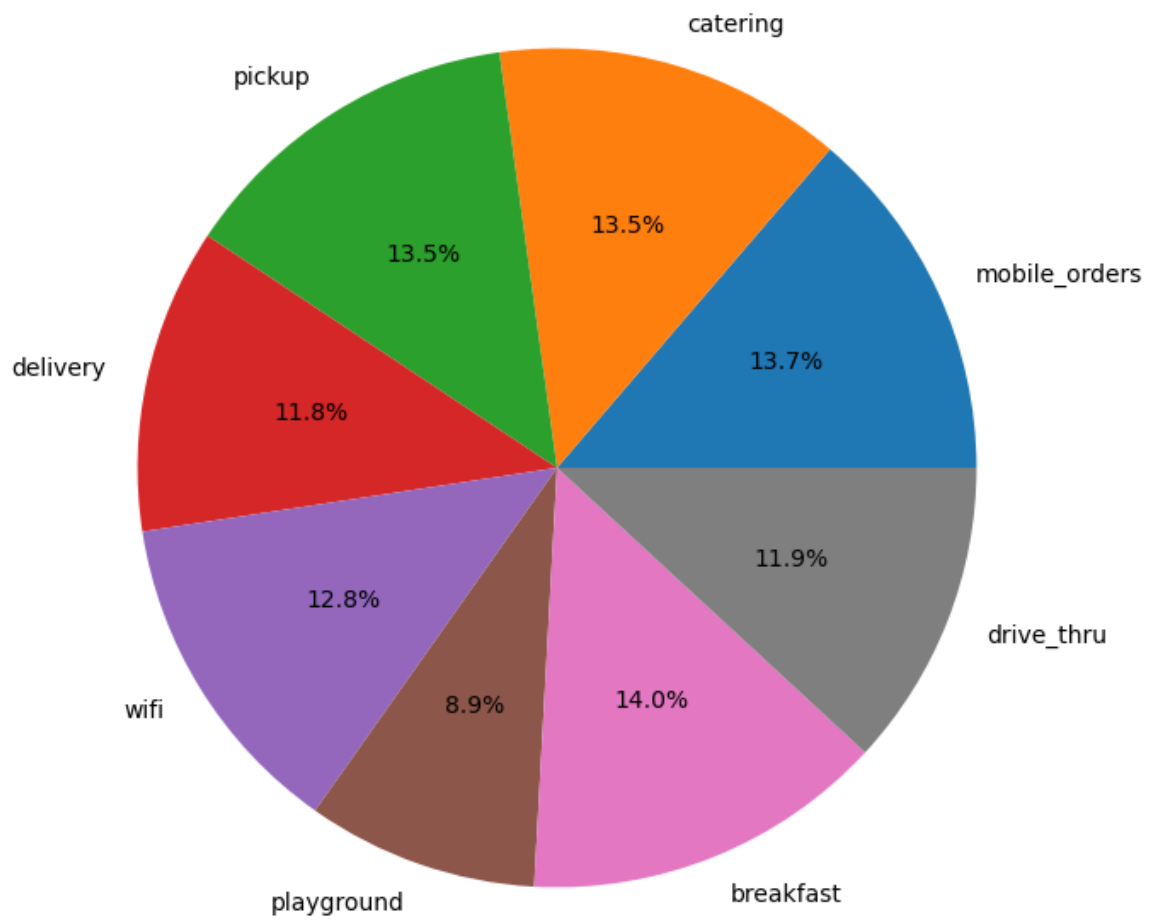
Top 5 Service Combinations Share



Services Popularity Percentage

Pie chart: Breakfast 14%, Mobile Orders 13.7%, Pickup 13.5%, Catering 13.5%, Wi-Fi 12.8%, Drive-thru 11.8%, Playground 8.9%.

Services Popularity Percentage



3. Key Findings & Recommendations

Key Findings:

- Price disparities exist across states; NY highest, AZ lowest.
- Breakfast and Mobile Orders are core services; Playground and Drive-thru less common.
- TX dominates in number of locations; other states have <100.
- Popular service combinations indicate operational efficiencies.
- Slight negative correlation between number of services and average price.

Recommendations:

- Adjust pricing in high-cost states; consider promotions in low-price states.
- Expand less common services in high-demand regions.
- Target states with fewer locations for expansion opportunities.
- Focus on popular service combinations to optimize operations.
- Maximize breakfast promotions in top states, incentivize in lower-percentage states.