Optimal Location and Throughput by Number of Freight Distribution Centers

- **3 Distribution Centers**
  - Average Distance to Customers: 378 miles
  - Average Lead Time: 1.29 days
  - McKenzie (46%)
  - Allentown (31%)
  - Bakersfield (23%)

- **5 Distribution Centers**
  - Average Distance to Customers: 264 miles
  - Average Lead Time: 1.13 days
  - Bakersfield (21%)
  - Dallas (14%)
  - Macon (19%)
  - Summit (24%)
  - Chicago (22%)

- **7 Distribution Centers**
  - Average Distance to Customers: 216 miles
  - Average Lead Time: 1.07 days
  - Pasadena (15%)
  - Gainesville (14%)
  - Lakeland (6%)
  - Alhambra (10%)
  - Palestine (12%)

- **10 Distribution Centers**
  - Average Distance to Customers: 173 miles
  - Average Lead Time: 1.04 days
  - Oakland (5%)
  - Denver (5%)
  - Mansfield (12%)
  - Gainesville (13%)
  - Newark (20%)

**Source:** Adapted from Chicago Consulting.

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