Spatial Big Data Analysis to Understand COVID-19 Effects on MN (Appendix 06/30/2020)

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Forum: Impacts of the COVID-19 Pandemic on Minnesota's Traffic and Transit Networks
Center for Transportation Studies, University of Minnesota, June 23rd 2020
MN Full Service Restaurants Visit Duration

- MN Full Service Restaurants (NAICS Code: 722511)
- Time Interval: 03/02 - 06/22
- Number of visits by dwell time buckets.

<table>
<thead>
<tr>
<th>Dwell Time</th>
<th>Visits</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;5</td>
<td>84441</td>
</tr>
<tr>
<td>5-20</td>
<td>1111461</td>
</tr>
<tr>
<td>21-60</td>
<td>652771</td>
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<tr>
<td>61-240</td>
<td>586369</td>
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<tr>
<td>&gt;240</td>
<td>328909</td>
</tr>
</tbody>
</table>

- Trends:
  - After Mid March, short (5-20 min) visits dominate. ? Pickup and deliveries
  - Longer visits drop in March and start recovering with MN reopening.
MN Limited Service Restaurants Visit Duration

- MN Limited Service Restaurants (NAICS Code: 722513)
- Time Interval: 03/02 - 06/22
- Number of visits by dwell time buckets.

### Trends:
- **Short (5-20 min)** visits dominate, recover with MN reopening (Drive thru, Deliveries)?
- Longer visits drop in March and slow to recover.

### Dwell Time | Visits
---|---
<5 | 117960
5-20 | 1465698
21-60 | 304650
61-240 | 205730
>240 | 141999
MN Bars Median Bucketed Visit Duration

- MN Drinking Places and Bars (NAICS Code: 722410)
- Time Interval: 03/02 - 06/22
- Number of visits by dwell time buckets

**Trends:**
- During March-April, short (5-20 min) visits dominate. Pickup and deliveries
- Longer visits drop more and recovering with MN reopening.

<table>
<thead>
<tr>
<th>Dwell Time</th>
<th>Visits</th>
</tr>
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<tbody>
<tr>
<td>&lt;5</td>
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