Time Series

1. Matching Visualization to Task
   Idea courtesy of Professor Tamara Munzner, University of British Columbia

<table>
<thead>
<tr>
<th>Five Time-Series Scenarios</th>
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<tbody>
<tr>
<td>A: every 5 min, duration 1 year, 1 thing: building occupancy rates</td>
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<tr>
<td>B: every 5 min, 1 year, 2 things: currency values (exchange rate)</td>
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<tr>
<td>C: several years and several things: 5 years, 10 currencies</td>
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<tr>
<td>D: 1 year, many things: CPU load across 1000 machines</td>
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<tr>
<td>E: 1 year, several parameters, many things: 10 params on each of 1000 machines</td>
</tr>
</tbody>
</table>

Match each scenario above to the most appropriate of the visualization techniques we saw today:

- Cluster-Calendar A
- ChronoLenses C
- RankExplorer D
- Stack Zooming B
- ThemeRiver
2. Visualization Critique

In what way(s) would the extruded curve visualization shown here not be a good choice for the data from scenario A?

Hard to find similar days due occlusion by peak days