

# Data Visualization Service



Lu Han

COMP531 2016FALL

# Data visualization platform for developers

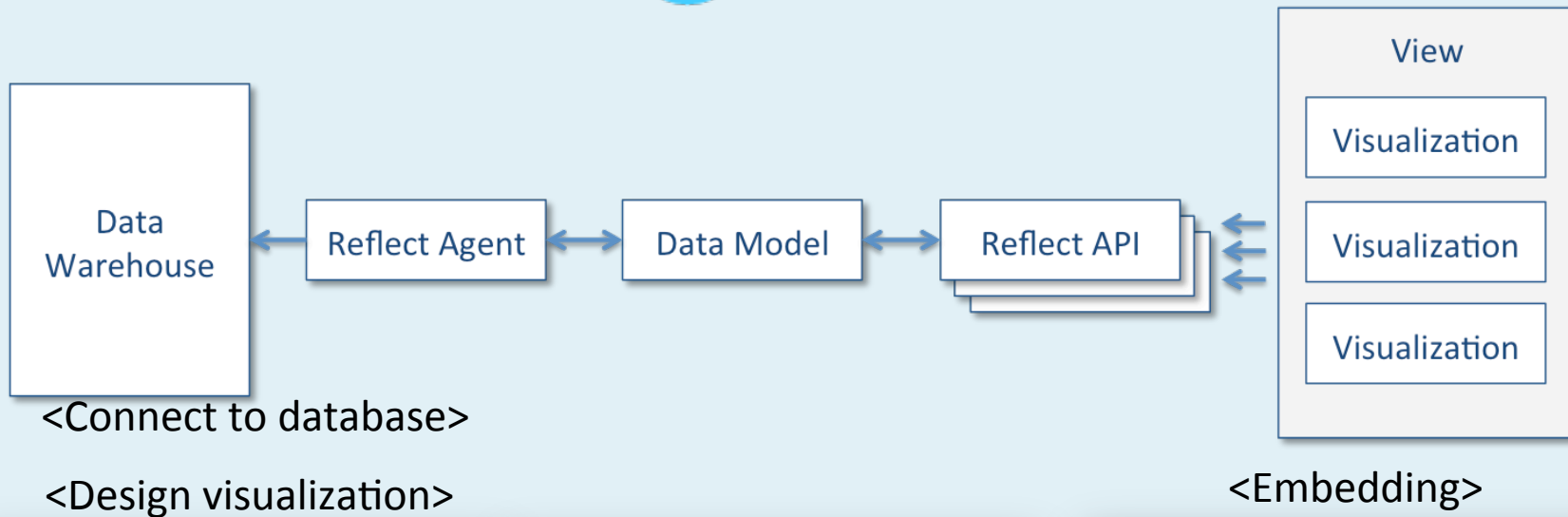
- Want a customized, dynamic, interactive visualization and analytics
- Don't want to worry about extract, transform, load of data and building scalable infrastructures



- Reflect: A discrete modular tool for adding data visualization to any web or mobile application in minutes



# How to use reflect



**<Design visualization>**

The screenshot shows the Reflect design interface. On the left, there's a 'Custom' section with a 'SQL formula (required)' label and a text input field containing 'e.g. LOWER(a), DATE(b), ABBREV(c)'. To the right of the input field is a '↑123' button. Further right is a 'Data Model' section with a grid of cells. On the far right is a 'Visualization' section showing a line chart with two data series (one blue, one purple) over time (7/6/2016, 7/7/2016, 7/8/2016).

**<Embedding>**

```
<link rel="stylesheet" href="//cdn.reflect.io/latest/reflect.css" />
<script type="text/javascript" src="//cdn.reflect.io/embed.js"></script>

<script type="text/javascript">
  var reflect = new ReflectUI('<Your API Token>'),
      view = document.getElementById('#my-view');

  reflect.view(view, 'my-project', 'my-view');
</script>
```



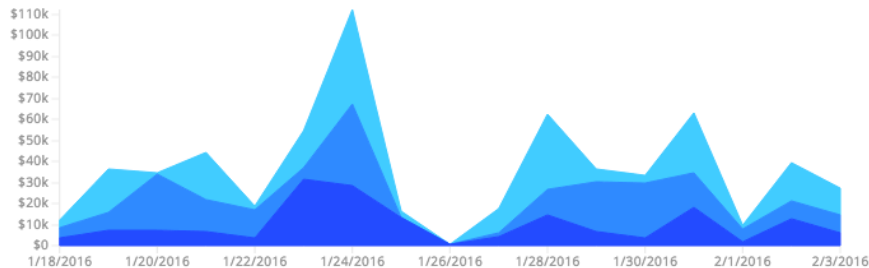
reflect

# UI component

Demo

## Timeseries

Total Sales by Order Date and Product Category

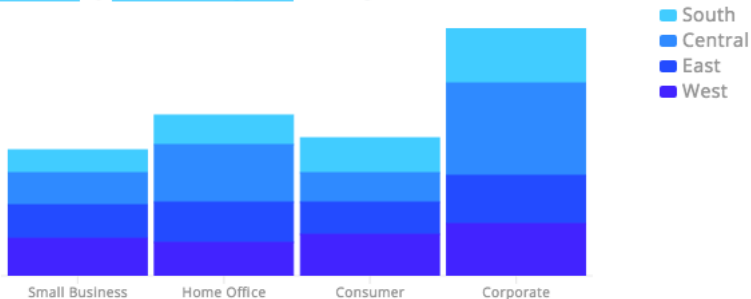


Total Sales

\$620,383.00

## Customer Segments

Total Sales by Customer Segment and Region



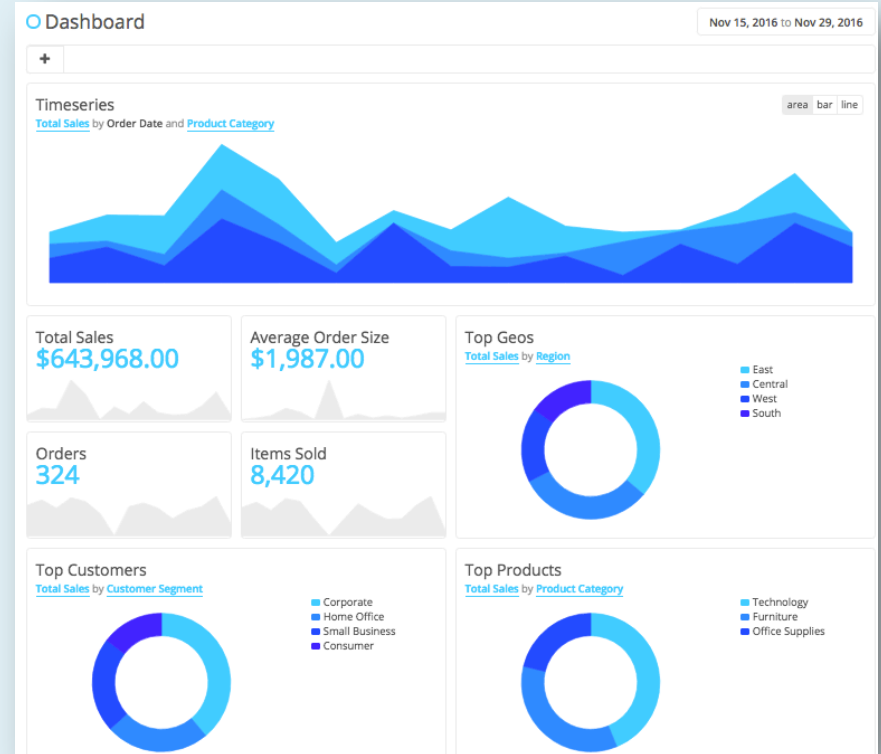
## Top Products

Total Sales by Product Category



# reflect Discussion

- Limited visualization method
- Not open-source
- Not free



**Thank you!**