

HW6 Write up

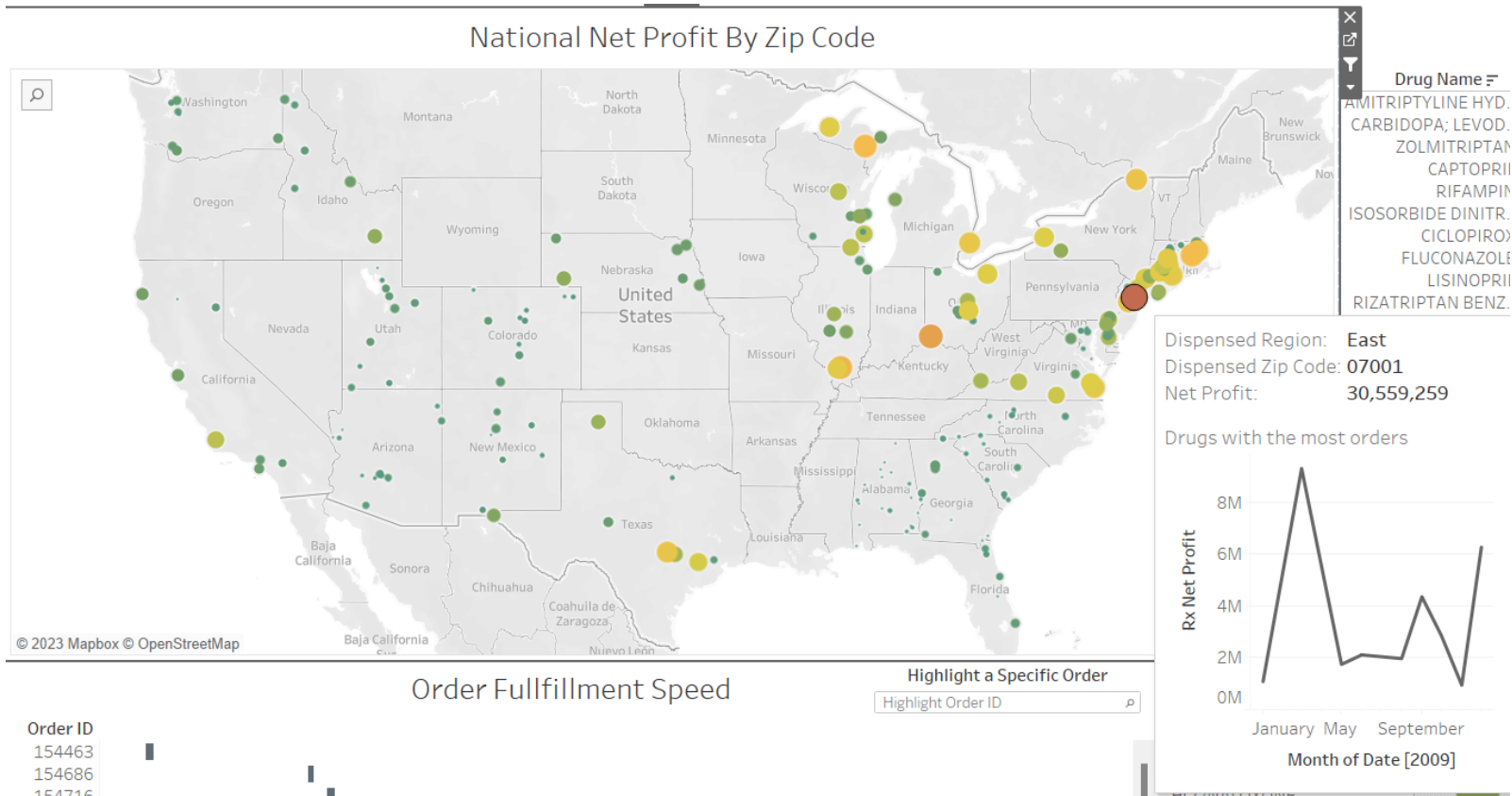
By Hongkai Wang

The primary audience for my dashboard would be an executive of a pharmaceutical company that monitors the company's sales performance across the country on a local zip code level.

I created this dashboard to give some insights into the performance of the company down to a zip-code granular level and the performances of top drugs in terms of net profit. I am trying to showcase as much information about a specific drug in specific zip codes so that the company can adjust its strategy on an atomic level to achieve its desired goal of drug sales.

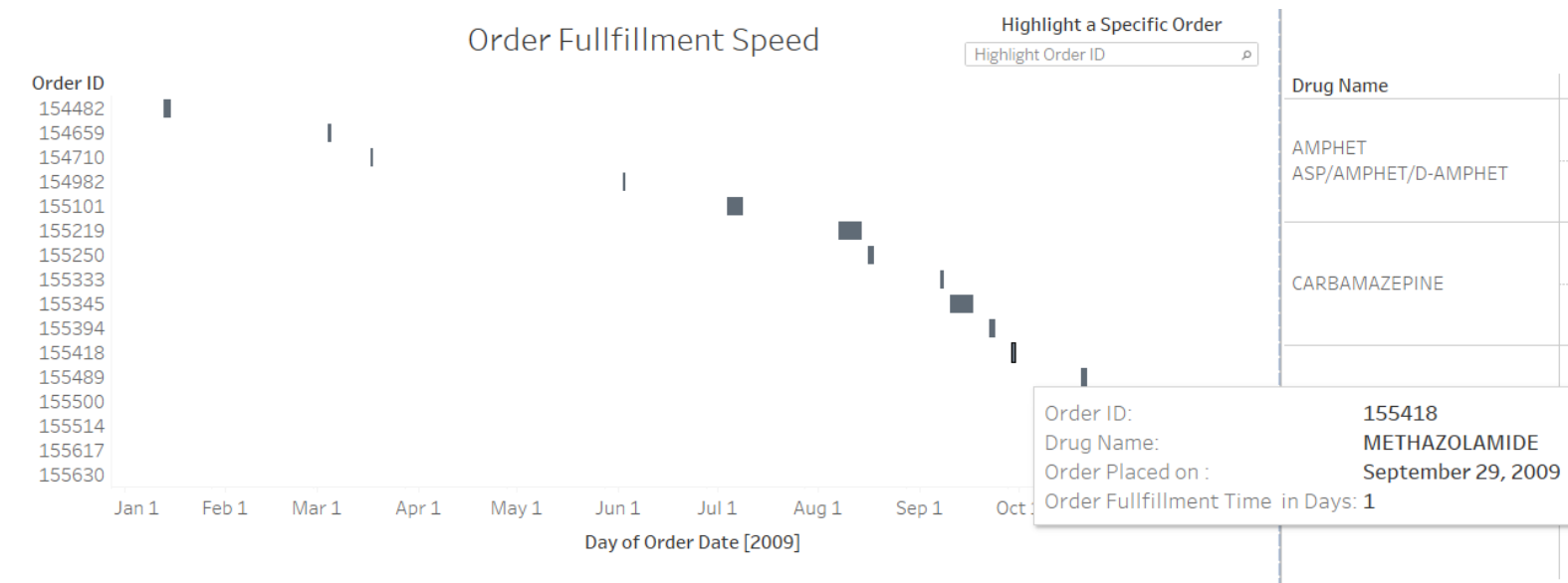
Here are the three main insights that I gained from the dashboard:

1. **The US Northeast is the most profitable area for the pharmaceutical company.** The color-coded symbol maps reveal this insight. I chose to use a green-orange color scale and circle size that correlates with net profit to highlight the net profitability of a zip code. The biggest and brightest circles are all in the country's Northeast region. Other regions of the country are relatively small and green.



2. **The delivery schedule for most zip codes is very efficient and on time.** The Gantt chart on the bottom left of the dashboard showcases the order dates for

each order within the zipcode selected on the map and within the filtered time period (by the year the order is made). The majority of the orders are shipped within **seven days**. If the company is interested in the logistics of the company delivery system, this panel will be a good resource. The section also allows highlights of a specific order for detailed tracking purposes.

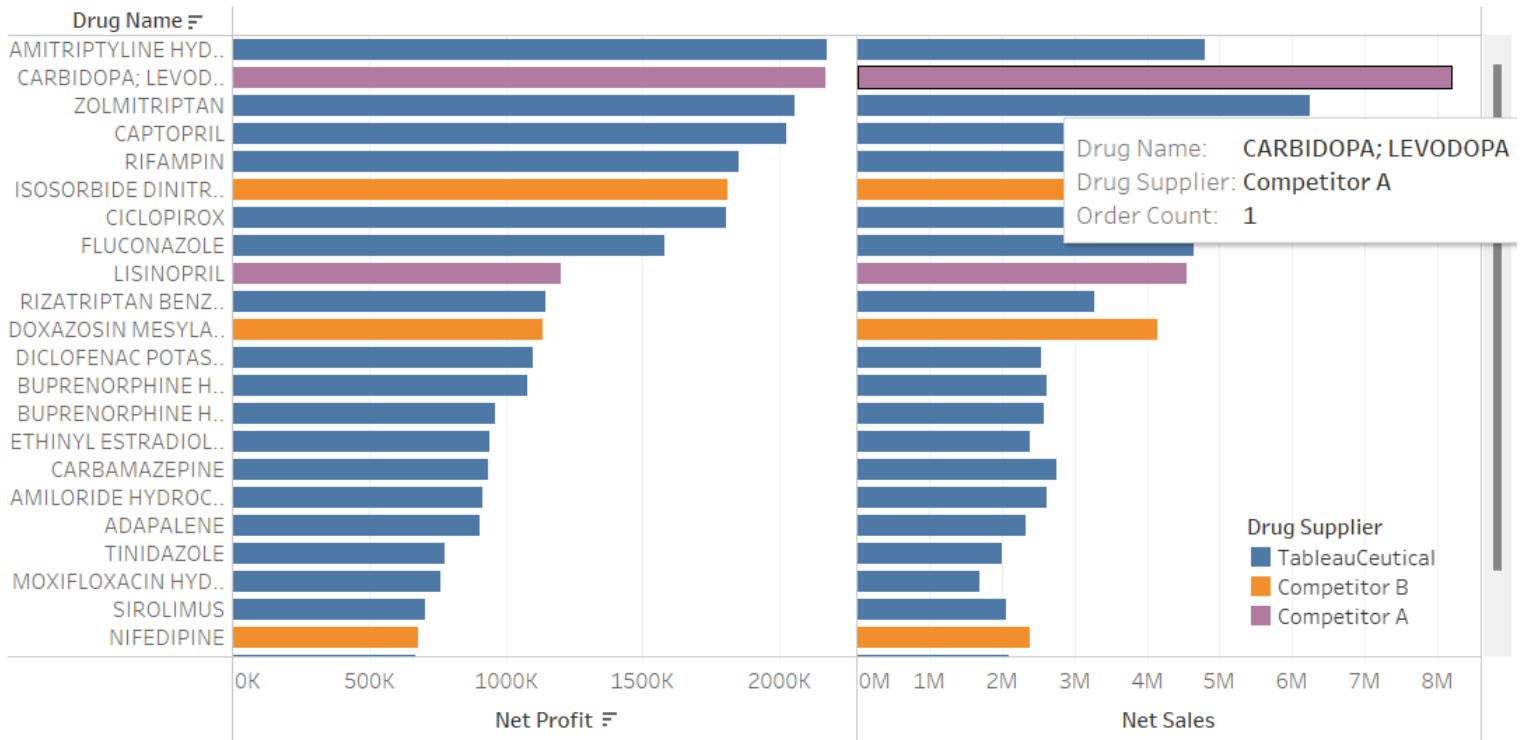


3. Net profit and net sales of a specific drug across different zip codes are correlated, but high net sales don’t always translate into high net profit at a regional level.

In the side-by-side bar graph showcasing drug net profit and sales, the relationship between the sales and profit of a drug is revealed to be correlated. However, the margin of a drug is dependent on many other factors, and prioritizing sales over every other metric doesn’t guarantee high profit. In this example, we see that the most profitable drug in zipcode 07001 doesn’t have about the same profitability as the second most profitable drug but with only about 2/3 of the total sales number. As a result, the executive needs to distinguish between the different strategies to maximize sales or profit and realize the potential ramifications of either.

(Graph in the following page)

Sales of Individual Drugs in the Selected Zip Code

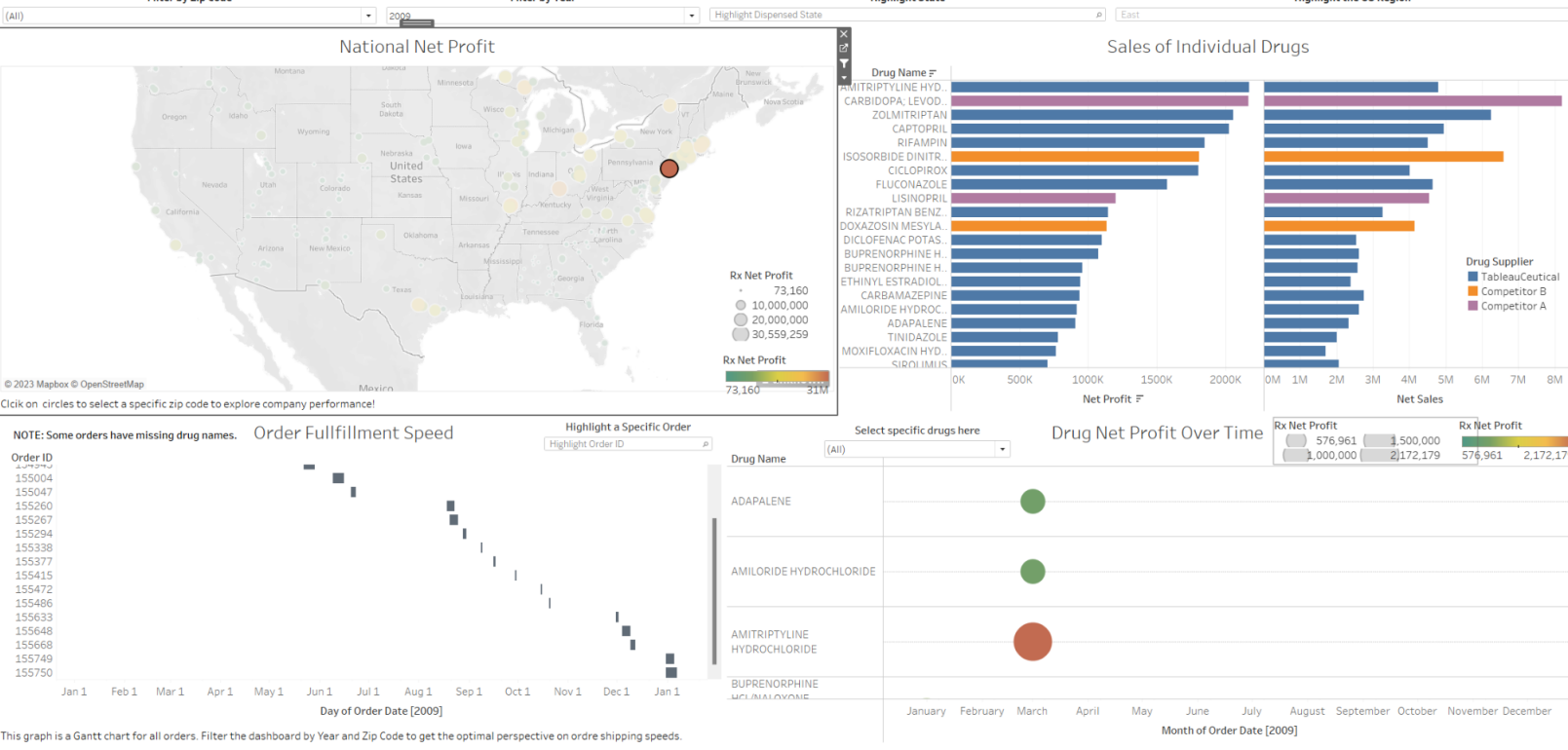


Whole Dashboard screenshot:

Zip code value selected in the map will be used to filter entire dashboard. If no area is selected, then the national information will be shown on dashboard.

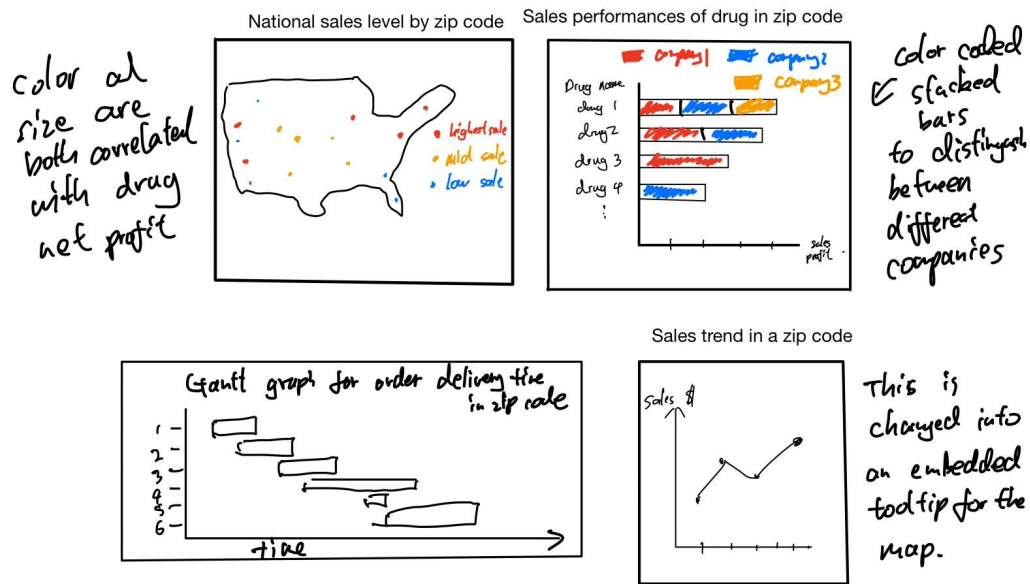
Management Regional Behavior Tracking Dashboard

All stats tracked on this dashboard is defined by the zip code selection on the map



Dashboard sketch:

corporate sales performance of drugs.



Replaced by a timeline circle.

