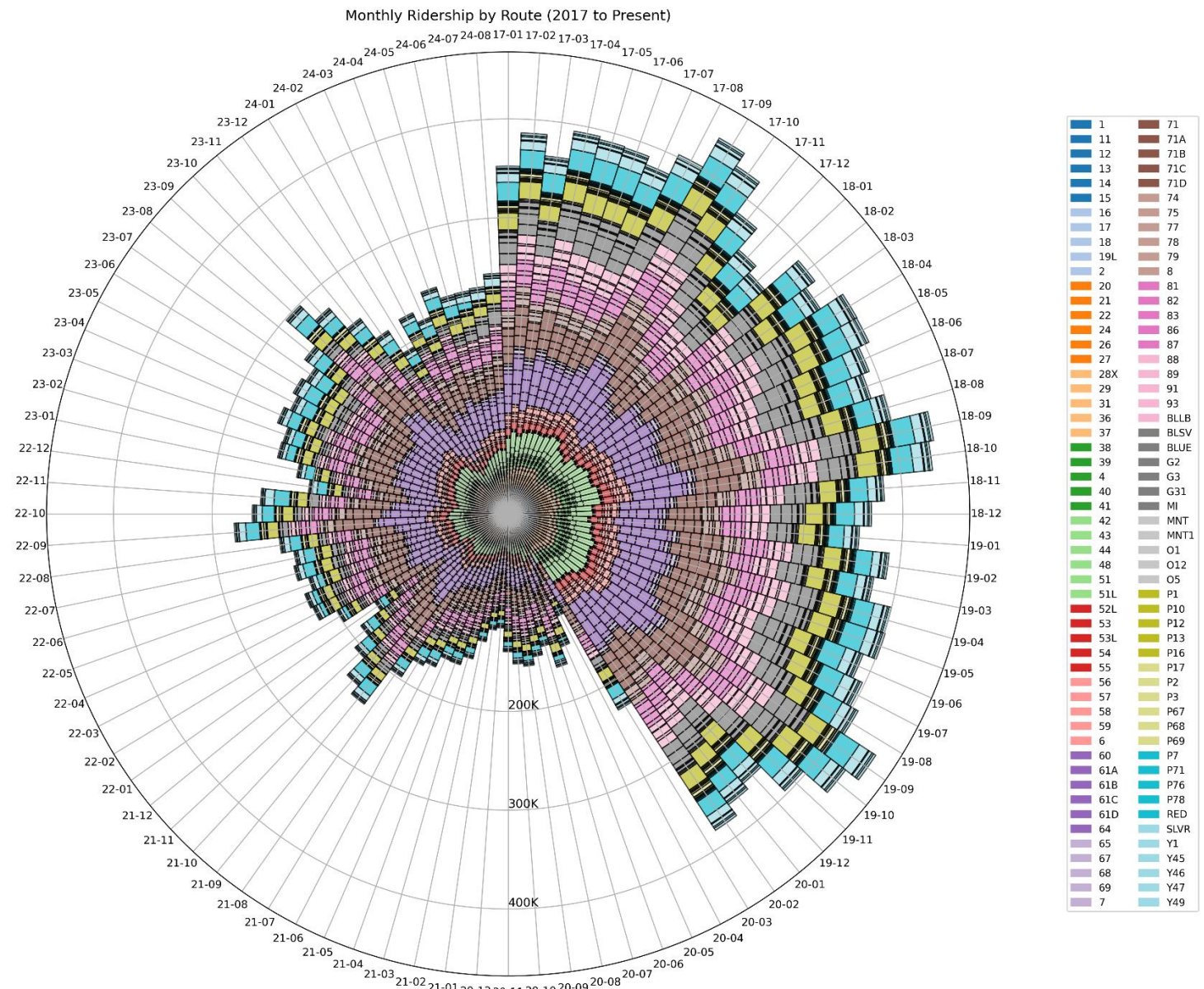


## Pittsburgh Bus Utilization

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This project is about the utilization of PRT busses from 2017 to the present. The dataset is the Western PA Regional Data Center Pittsburgh Regional Transit Monthly Average Ridership by Route, available here:

<https://data.wprdc.org/dataset/prt-monthly-average-ridership-by-route>.



### Legend:

- The outer circle denotes the month, going clockwise from Jan 2017 to Aug 2024
- The length of the bar is the total monthly ridership
- Each bar is divided into the individual routes by color
- The bar color groupings generally align with the various routes and make it easier to see
- The radii of the circle denotes the total ridership in intervals of 100,000

### Findings:

- I thought it would be interesting to visualize the effects of Covid-19 on ridership.
- I also live in the city and ride the bus occasionally and wanted to see route variations.
- The graph shows how much the ridership dropped during the pandemic, starting March 2021.
- The graph also shows how the ridership has only recovered to approximately 65% of pre-pandemic levels.
- It's also interesting to see how ridership spikes in August and September when school starts.
- Data was manipulated in Pandas based off a previous data analysis class I did in undergrad, and the design was tweaked by GPT-4o to look better.