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GEOG 6165
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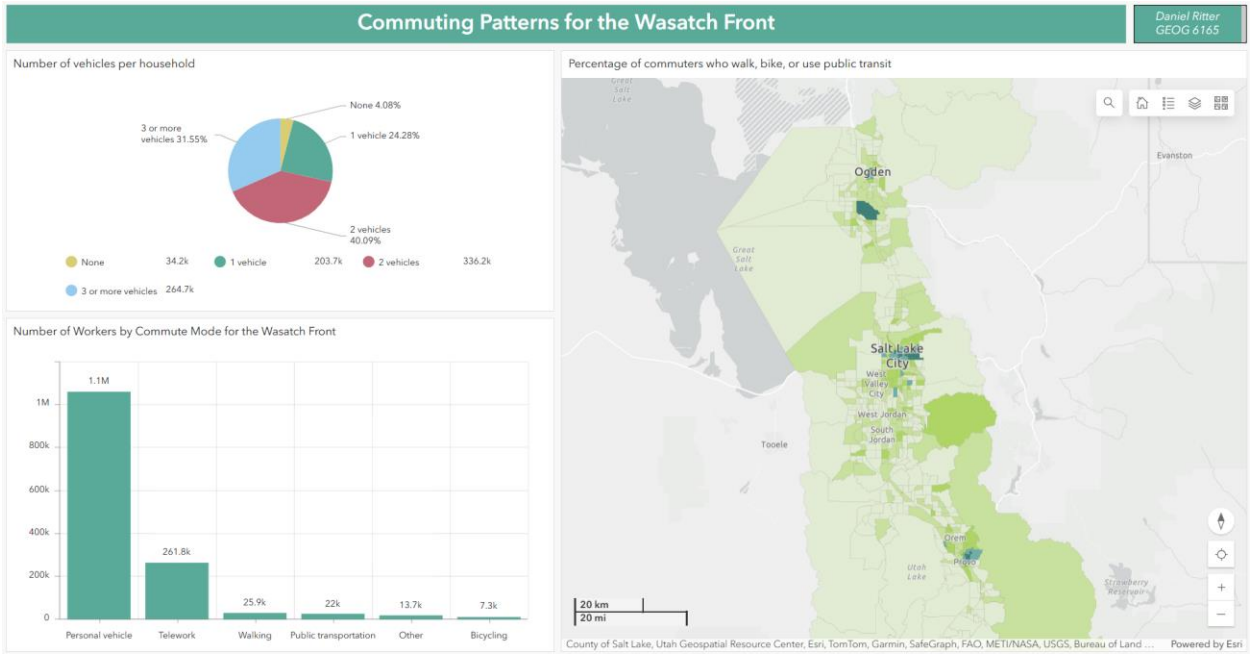
Week 10 Exercise: ESRI Dashboard

https://uofu.maps.arcgis.com/apps/dashboards/a4858018fb9846a89b87939dc01c61a0



I created a dashboard that describes commuting patterns alongside the Wasatch Front. The bar chart provides a high-level summary of how many workers use each commute mode, while the map allows users to look at non-vehicle mode share at the neighborhood level. The pie chart provides additional context for the commuting patterns; since the vast majority of households have at least one vehicle, it would be expected that most people would commute by car. The main strength of the dashboard is that it juxtaposes related statistics to encourage users to make their own connections between trends (i.e., geovisual analytics).

The dashboard has two main weaknesses that could be improved in the future. First, the vastly different geographies (totals across five counties vs. tract-level values) can make it hard to draw a meaningful conclusion about the relationship between the number of vehicles per household and commute patterns at the neighborhood level. Second, the map simplifies commuting patterns by combining multiple modes into a non-vehicle category. To address these weaknesses, I would add a slicer to the pie chart to allow users to filter by county or city and I would add multiple layers to the map to represent different commute modes.