Our project provides a deep dive into the factors that occur in and around the South Bend parks to help the mayor's office understand how outside influences affect the parks. Our team knows that the mayor's office has spent significant time reviewing the actual features and placement of parks around the city and so therefore, our goal is to look outside the specific park data to help the mayor pinpoint other factors that affect park usage and effectiveness in the community. Therefore, we created an app that allows the mayor to view and explore four distinct impacts on park usage: Crime, Businesses, Lights, and Facilities. Through viewing this app both at a high level, and exploring more deeply, our goal is for the mayor to use this information to focus initiatives that continue to make our parks safe and useful for the community.

Firstly, the app features global Park and Distance parameters, defaulting to all parks and the 500 meters surrounding each. We placed these at the global level so the mayor can easily select specific parks or adjust distances across all tabs simultaneously, providing a seamless user experience for comparing all parks, a select few, or focusing on one at a time.

The first tab on the dashboard is the Crime and Parks tab. This tab allows the mayor to view a map of all the selected Parks colored in gradient by the number of reported crimes that occurred within the set radius. The mayor can view this data across all time, or between dynamic time intervals. The map is accompanied by a time series plot showing both the total volume of crimes near the chosen parks and their share of all South Bend crime. Finally, this tab has buttons of commonly viewed time periods such as "Year to Date" to make the user experience more fluid since the date buttons can be tedious if frequently moving between different time points.

Next up is the tab for Business Licenses near parks. This tab features a map of parks and their nearby businesses as well as the count of businesses that fall under the selected distance and parks. This tab also has the option to select Business Type from a dropdown to see where, how

many, and which types of businesses are within the chosen distance from the selected parks. Additionally, there is the option to select for only Active licenses. Similar to the time series options on the Crime tab, the goal is that the mayor can use this to see information across all businesses or to filter to understand the current state of parks.

The third tab focuses on the street lights near the South Bend parks. This is an important factor to park safety and therefore the mayor can use this data to understand how parents view park safety and where there may be gaps to be filled. In addition to the global parameters already highlighted, this tab allows the user to filter by minimum lumens to explore not only the availability of street lights, but also their brightness.

Finally, tab four provides an overview of the types of facilities that are near the selected parks. This will provide the mayor with important information that may provide more detail about park usage and where city resources could be used to improve the behind the scenes that make the parks run smoothly and efficiently. By maintaining a similar design to the Business License tab, the mayor can leverage a familiar interface to explore new connections in the data.

We know that the mayor needs to be able to ingest many different types of information every day and wants to be informed on initiatives on which her government should focus. Therefore, our app balances ease of use with a significant amount of information. The information is well organized into four distinct sections that hit the major impacts on park safety and usefulness as well as leverages filtering to allow her to get as specific as needed. Our goal is to provide an app that quickly and easily gives the viewer important information while also offering the capabilities to go deeper and answer specific questions with the data. Our hope is that, through using this app, the mayor will be able to make informed, data-driven decisions to continue to improve the South Bend parks and support the community.