The prevalence of neurological disorders has expanded over the years, including diagnosis such as Autism, ADHD, etc. Not only can this have a debilitating effect on the individual, but this also affects the family members who are often providing the supports that are needed. The purpose of this project is to do a comparison of neurological disorder statistics across the globe. We will focus on building visuals that display data for different types of neurological disorders, the country data, gender, and the rate based on total population with the disorder vs. the total population. With the growth of these disorders rising, additional insights in the prevalence could be useful.

The specific data sets we will use include the following:

1. Prevalence of Autism by Sex: <https://ourworldindata.org/grapher/autism-prevalence-males-vs-females?tab=table>
2. Asperger Syndrome by Sex: <https://ourworldindata.org/grapher/asperger-syndrome-prevalence-males-vs-females?tab=table>
3. Prevalence of ADHD by Sex: <https://ourworldindata.org/grapher/prevalence-adhd-in-males-vs-females?tab=table>
4. Intellectual Disability by Sex: <https://ourworldindata.org/grapher/prevalence-intellectual-disability-males-vs-females>

Here are a few examples of visuals that inspired our ideas.

Chart, line chart, scatter chart

Description automatically generated Chart, line chart, scatter chart

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Chart

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We plan to use similar visuals, but approach from different angles such as focusing on gender, country (rather than continent), and perhaps year. This is subject to change. Please know that this is preliminary, and this may change depending on the outcome of our data analysis.

The team will be using a GitHub repository located: <https://github.com/nladkins/project-3-neurological-disorders>.

Here is an initial (draft) wireframe that we are considering for this project:

Graphical user interface, application

Description automatically generated

Features include the ability for the user to see the percentage or prevalence of the different diagnoses for a selected country and the ability to also filter by gender. Further, a JavaScript Library will be selected that has built-in features that allow a user to interact. Lastly, the visualizations, scale, and type of chart will be consistent across all four visuals for the user to be able to quickly compare the growth or lack of growth in prevalence in these different diagnoses.