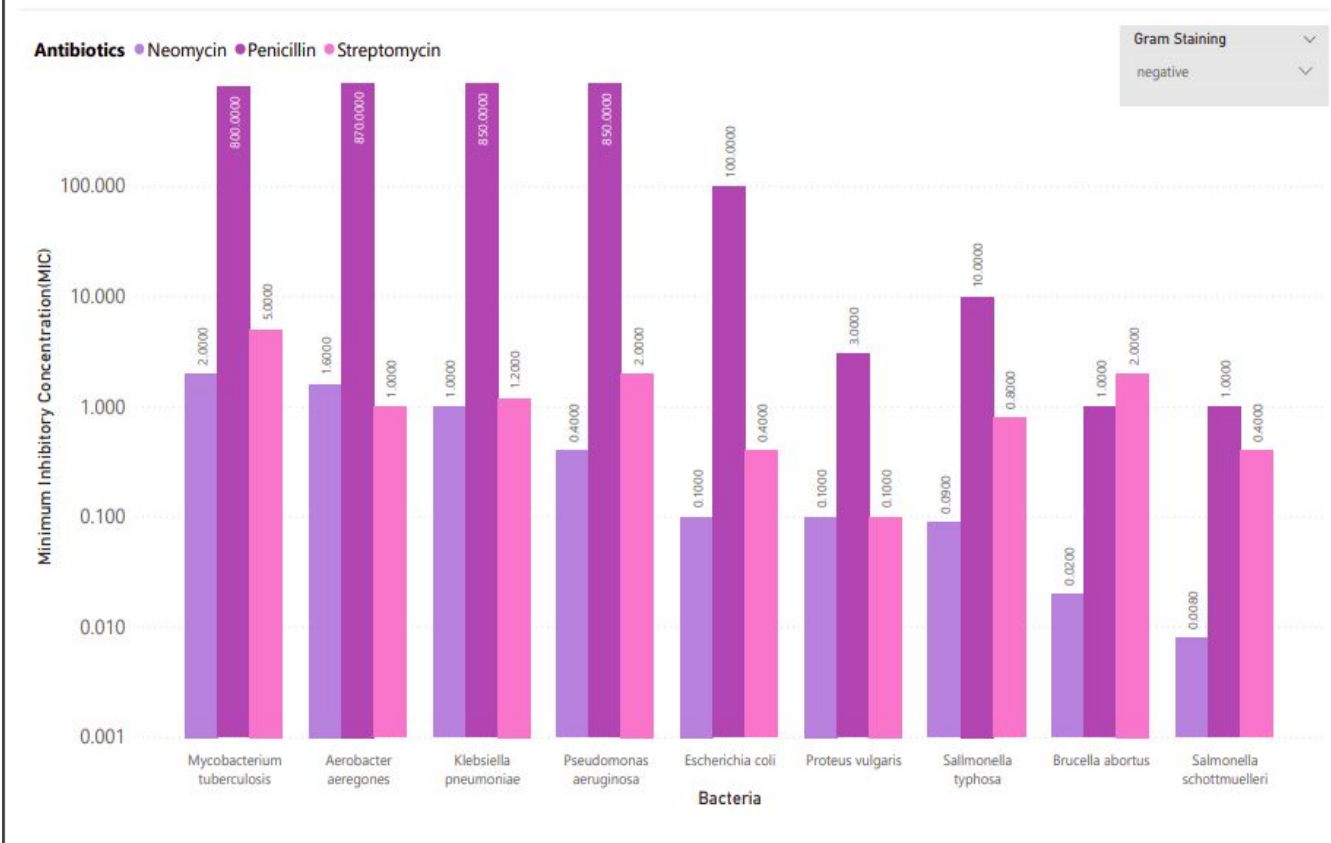
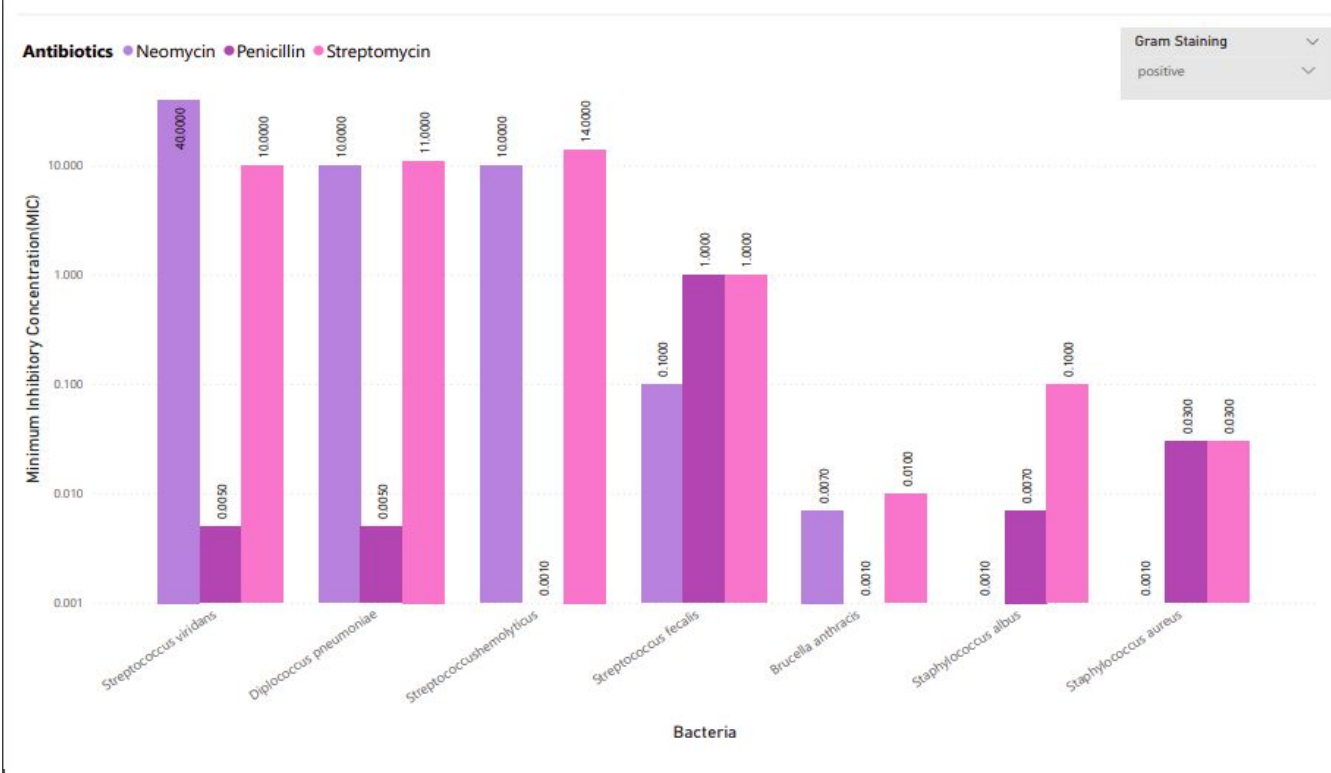


Burtins Antibiotic Data



Visualizing Data:

- **Grouped Bar Chart** has been used to visualize the effects of type of drug against a particular bacteria and gram type.
- **Grouped Bar Charts** allow direct comparison of multiple data series per category.
- **Neomycin** is shown using **Purple** colour.
- **Penicillin** is shown using **Magenta** colour.
- **Streptomycin** is shown using **Pink** colour
- **Slicer** was used to show if **Gram Staining** is positive or negative.

Transforming Data:

- The scale used for the above chart was a logarithmic scale.
- Reason for choosing logarithmic scales is to respond to skewness towards large values; i.e., cases in which one or a few points are much larger than the bulk of the data.
- Logarithmic Scale is useful for showing a wide range of values in a compact way and since the dataset contains data which is hundred or thousand times larger than the smallest numbers we can go with log scale to show the effectiveness of antibiotics.