·   **What are the overarching scientific or creative goals of the project you worked on? Why are these important?**

We have learned how to handle sample dataset to create a population using weighted variables and provide visualizations on them.

The goal of the project was to show some basic data visualization to display the difference between an artist and non-artistic occupations.

We have differentiated the occupations in 2 factions, which in future will be specialized to domains like Management, Education, Service and Labor Sector, Transportation, etc

These specializations are paramount for the project as they will highlight the socio- economic progress or trend between different sectors of Labor force in USA.

·   **What was your role? What were you asked to do and how does this fit in the broader project?**

We had to analyze the sample data that we downloaded from the IPUMS database. And used comprehensive variables which handles the population and helps in showcasing the essence of being an artist in USA. So far, we have focused on the Educational and Occupational factors of the population. In future we are planning to incorporate economical, geographical and other social factors to show diverse and informative visualizations

·   **What did you accomplish? What were the results, products, code, or other deliverables that you provided?**

The Dashboard showcases the

We have kept the different code versions of the Tableau Dashboards on a shared google drive. And the final code for the website will be deployed on Amazon AWS.

Apart from which we have published the Dashboard on Tableau Online.

·   What did you learn? What skills did you acquire?

TAbleau

JS

AWS

·   Where will the project go next, and will you be involved?

The next stage for the project will be to provide more control to the end user. We will be making a website where the user can choose datasets, Timeline, industry, geographical areas and other parameters on which the user can see detailed vizualizations.

The user will be able to choose different charts in which they can see their vizualizations. We will be focusing on using more variables from IPUMS database to give an extensive or deeper understanding of Workforce and Occupational Structure keeping the Artistic workforce as the focal point.

We are planning on creating a free platform where user can not only download the dataset on which we have displayed the visualization, but also upload their dataset( with similar variables) and display them visualizations based on their dataset.

·   Any concluding thoughts about your experience?