***Project Report***

1. **Introduction**
   1. *Overview*

Population data is essential for planning purposes. It contains various influential details such as birth, death, demographic information such as age, sex, annual income, occupation, language, etc…

Overall socio-economic, economic, political, cultural progress of a country is dependent on population data to a large extend.

* 1. *Purpose*

Population data is used to describe the entire population.

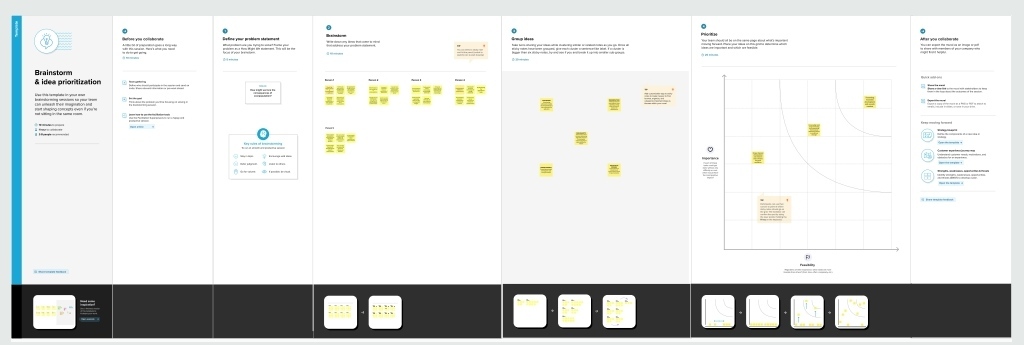
Population Analysis is used to identify the problems and community needs, establish goals and objectives, assess alternative courses of action, allocate resources plan implementation and evaluate the ability of the plan to achieve goals and objectives.

Population data analysis is useful to make appropriate economic, political, financial and other related schemes and decisions

1. **Problem Definition & Design Thinking**
   1. *Empathy Map*

|  |  |
| --- | --- |
| **IMG_20230414_164654.jpg** | **IMG_20230414_164741.jpg** |
| **Screenshot_2023-04-14-16-49-27-903_com.google.android.apps.docs.jpg** | **Screenshot_2023-04-14-16-49-39-438_com.google.android.apps.docs.jpg** |
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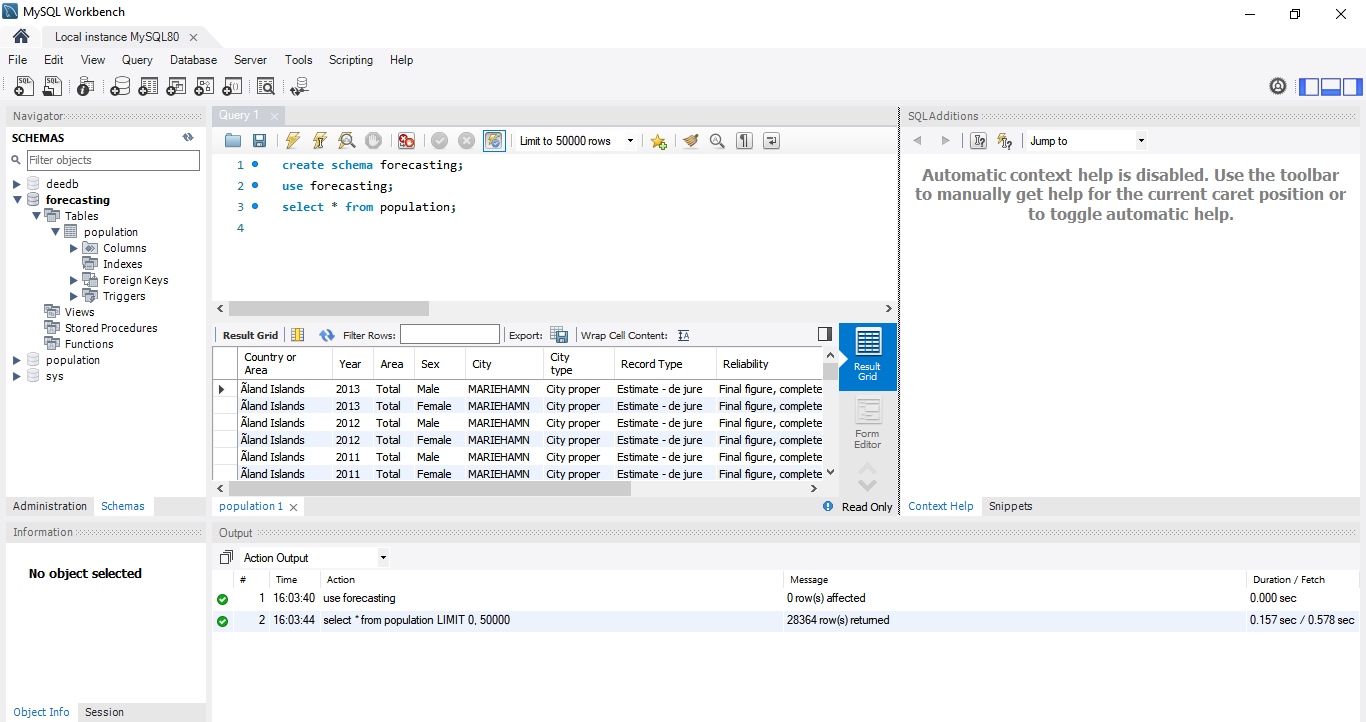
* 1. *Ideation & Brainstorming Map*



|  |  |
| --- | --- |
| Screenshot_2023-04-14-16-55-11-676_com.google.android.apps.docs.jpg | Screenshot_2023-04-14-16-55-21-448_com.google.android.apps.docs.jpg |
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1. **Result**

* *Database connectivity:*

**

* *Data Visualization Sheets:*

|  |  |
| --- | --- |
| **Sheet 1.png** | **Sheet 2.png** |
| **Sheet 3.png** | **Sheet 4.png** |
| **Sheet 5.png** | **Sheet 6.png** |
| **Sheet 7.png** |  |

* *Dashboards:*

|  |
| --- |
| Dashboard 1.png |
| Dashboard 2.png |
| Dashboard 3.png |

* *Story:*

|  |
| --- |
| Story 1.png |
| Story 1 (7).png |

* *Web integration:*

|  |
| --- |
| Webpage (1).jpg |
| Webpage (2).jpg |
| Webpage (3).jpg |
| Webpage (4).jpg |
| Webpage (5).jpg |

1. **Advantages & Disadvantages**

*Advantages:*

* Increased Productivity through specialization
* Improved demographic structure of society
* This technique provides a degree of control and sense of process
* It also helps the government and researchers to make decisions about the future

*Disadvantages:*

* There is a greater risk of data manipulation
* It is time consuming since it requires a lot of manpower to collect the data
* Population forecasts are never 100% accurate and it is almost impossible to the future with certainty

1. **Applications**

It is widely used in market research, quality control, medical research, political polling and many other fields where data analysis is necessary

1. **Conclusion**

The population data analysis requires scalable, flexible and high performing tools to provide insights in a timely fashion. However organizations are facing a growing big data environment, where new tools emerge and become outdated very quickly

1. **Future Scope**

* Population data analysis is an important input to forecast the population’s impact on this planet and humanity’s future well being
* Models of population growth take trends in human development and apply projections into the future
* These models use trend based assumption about how populations will respond to economic, social and technological

forces to understand how they will affect fertility and mortality

1. **Appendix**
2. Source Code

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<h1>Tracing the growth of global community:<br>A Population Forecasting Analysis</h1>

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<nav>

<ul>

<li><a href="#">About Us</a></li>

<li><a href="#">Story</a></li>

<li><a href="#">Dashboard</a></li>

<li><a href="#">Abstract</a></li>

</ul>

</nav>

</header>

<h1> Population Forecasting Analysis </h1>

<h2> Abstract </h2>

<p style="font-size:20px;color:white;"> Population forecasting is a method to predict/forecast the future population of an area.<br> It is is essential for planning purposes. It contains various <br> influential details such as birth, death, demographic information <br> such as age, sex, annual income, occupation, language, etc…<br> These information can be represented in the form of data visualizations <br> to make the dataset more accessible and easier to interpret as follows.

</p><hr>

<h2> Dashboard </h2>

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<h2> Story </h2>

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<h2> About Us </h2>

<p style="font-size:20px;color:white;"> This project is done by <br> B.Deepesha, V.K.Devisha, A.Esha, Evangel.S.E, Jebisha.K <br></p><hr>

</body></center>

</html>