Data Visualisation in Tableau

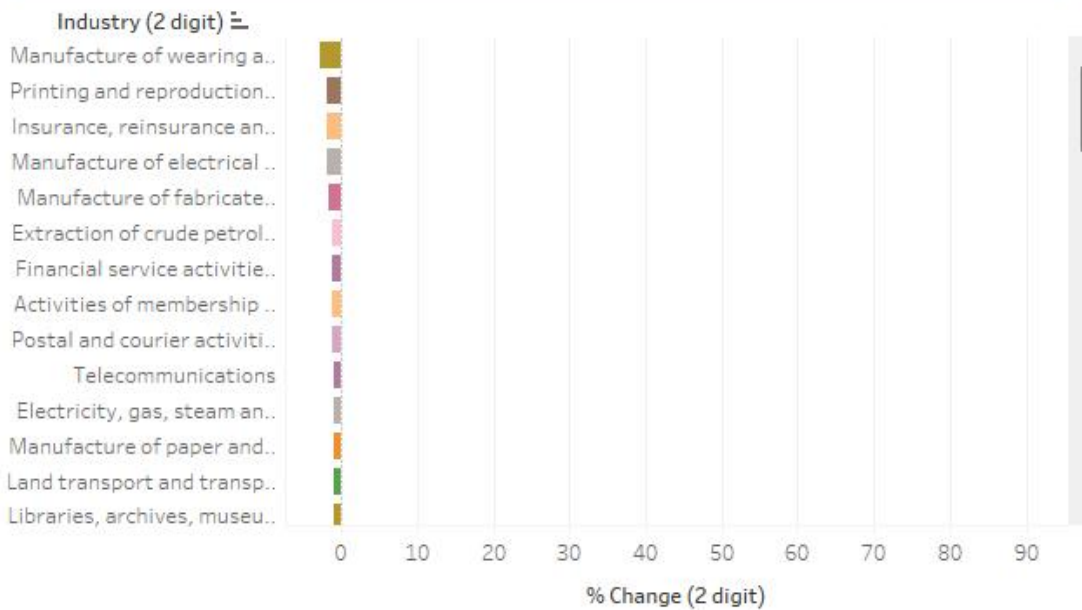**Please download the *EMSI_JobChange_UK* dataset here.**

This dataset contains employment data by industry for the years 2011 and 2014, broken down by city across Great Britain.

1. **Upload Data**: Begin by uploading the dataset via the connect pane, selecting Excel as the file format for upload.

2. **Create a Bar Chart for % Change**: Generate a bar chart to visualise the percentage change in employment across different industries between 2011 and 2014. This will help highlight areas with significant job growth or decline.

3. **Sort the Rows**: After creating the bar chart, sort the rows to organise the data logically, making it easier to interpret the percentage changes.

4. **Remove Null Values**: Ensure that any null or missing values in the dataset are removed to maintain data integrity and accuracy in the analysis.

5. **Create a Map**: Generate a map to visually display the key city locations affected by the changes in employment. This map will provide a geographic overview of the areas with the most significant shifts in employment across industries.

6. **Remove Redundant Legend**: On the map, the legend displaying sub-industry names may be redundant, as the bar chart already provides this information. Therefore, we can remove the legend to declutter the map.

7. **Create a Dashboard**: Finally, compile a dashboard that displays both the bar chart showing the percentage change in employment and the map highlighting the key city locations impacted by these changes. This combined view will provide a comprehensive understanding of the data and its geographical context.

By following these steps, I have created a clear and informative visualisation of the employment changes across different industries in Great Britain.

Job Change Dashboard

% Change

Industry (2 digit)

Manufacture of wearing a..
Printing and reproduction..
Insurance, reinsurance an..
Manufacture of electrical ..
Manufacture of fabricate..
Extraction of crude petrol..
Financial service activitie..
Activities of membership ..
Postal and courier activiti..
Telecommunications
Electricity, gas, steam an..
Manufacture of paper and..
Land transport and transp..
Libraries, archives, museu..

0   10   20   30   40   50   60   70   80   90

% Change (2 digit)

Map

% Change
0.117   1.771

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