

“Factors Shaping Economic inactivity in the United Kingdom”

By Team Warriors.



Project brief:

A two-decade-long comprehensive study looks at the UK's economic inactivity factors. Examining the contributors reveals important figures who are influencing the story of stability or stagnation. Global economic trends, policy dynamics, demographic shifts, and technological advancements are all important factors that have shaped the course of economic inactivity over this long period.

Objectives:

The primary objectives of this study include

- Identifying the key factors affecting the economic inactivity rate in the UK.
- A detailed examination of the top influential factors and an exploration of the underlying reasons behind these trends will be conducted.
- The study aims to offer actionable recommendations aimed at reducing the count associated with these identified factors.

Audience:



UK Government



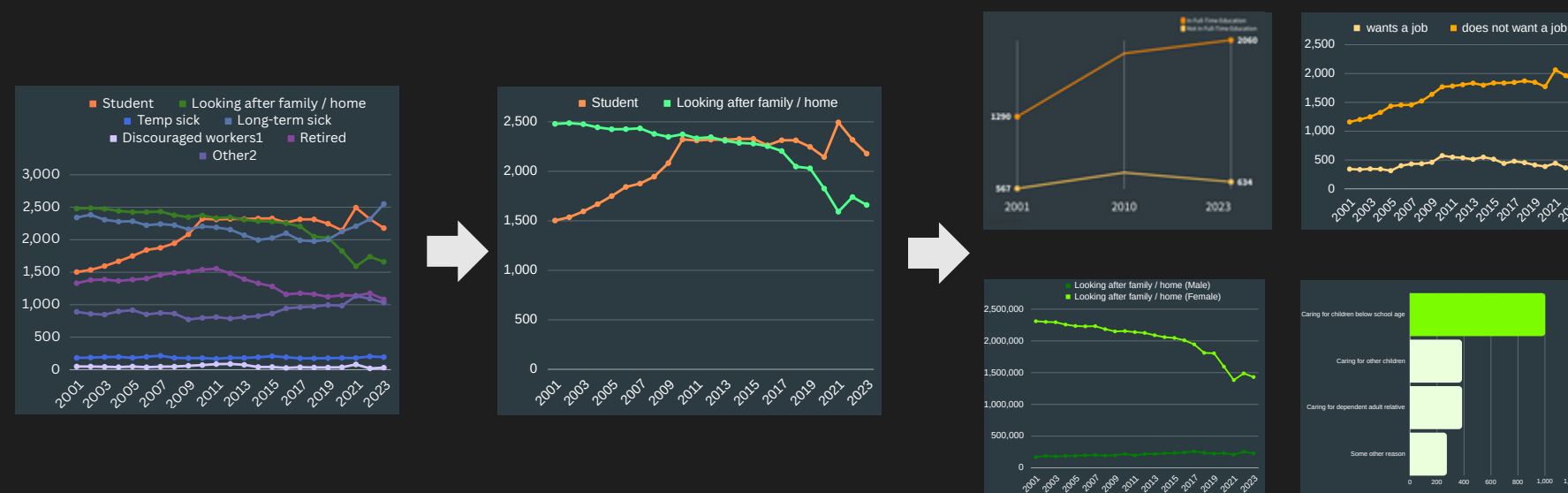
Department
for Work &
Pensions



Department
of Health &
Social Care

Data Set Description:

The main dataset used to study the trends in economic inactivity is “**INAC01 SA: Economic inactivity by reason**” which gave a clear idea of the top 2 factors responsible for inactivity count over the years and used this as an Exploratory chart for our analysis.



Data Type: Aggregate data

Type of Dataset: Time Series

Data source: [ONS](#), [Worlddata.com](#)

Date Range: Q1 of 2001 to Q1 of 2023

Population Count: 1 unit = 1000 people

Colour schema:

- We have used 2 different colours and respective shades to represent 2 major reasons influencing economic inactivity in infographic.
 - Orange colour and shades for Students because the count in this factor were increasing over time.
 - Green colour and shades for Looking after family because the count in this factor were decreasing over time.

Infographic:

You can access the infographic from the below mentioned link.

“Factors Shaping Economic inactivity in the United Kingdom”



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- 3
- 4
- 5

Justification for Visualisations:

Comparison Charts	Composition Charts
<p>Line Charts or Slope Chart: Line charts or Slope charts are the best option to represent quantitative values for different categories over time to determine trends and patterns.</p> <p>List of graphs:</p> <ul style="list-style-type: none">• Economic inactivity count over the years• “Students” & “Looking after family/home” over the years• Students wants / does not want a job• Looking after family / home based on gender <p>Bar Charts: To represent quantitative values against categories, bar charts are best option.</p> <p>List of graphs:</p> <ul style="list-style-type: none">• Change in economic inactivity count by factors• Reasons for looking after family	<p>Progress charts: Progress bars, Radial Progress, and Progress rings are the best options to represent the change in quantities over time. Here they are used to show the change in percentages of the variables.</p> <p>List of graphs:</p> <ul style="list-style-type: none">• Students enrolled in full-time/part-time education.• Decrease in women's percentage• Increase in men's percentage <p>Pie Chart: A pie chart is used to represent the population in each country and to compare it with each other.</p> <p>List of graphs:</p> <ul style="list-style-type: none">• Population by country

Critical Reflections:

Objectives achieved:

- The main objective of the infographic was achieved and we found “Students” and “Looking after family” are the 2 major factors which are influencing economic inactivity in the large scale.
- The major reasons for the variation in the count over time for the respective factors.
- Actionable recommendations were provided aimed at reducing the count associated with these factors.

Challenges:

- The colour shades selection to differentiate 2 factors i.e., students and Looking after family/home.
- The selection of correct datasets and charts to justify and narrate a story.
- Data to study all the possible reasons to explain the inactivity trend.
- Due to the limitations in the data visualisation tools and infographic tools, multiple tools were used to create the infographic graphs.
- As the study is to show the change over time, most of the graphs were lines graphs.

Project Workplan and Individual Contributions:

- 1 Understanding Context and Audience
- 2 Data Collection and Preprocessing
- 3 Choosing tools and Visualization types
- 4 Designing and Prototyping
- 5 Designing Graphs, story flow & PPT
- 6 Feedback and Maintainance

Name \Workflow	1	2	3	4	5	6
Konda Reddy Thokala	✓	✓	✓	✓	✓	✓
Ankitha Jose	✓	✓	✓	✓	✓	✓
Rajashekar Reddy Korimilla	✓		✓		✓	
Venkateswarlu Makkena	✓	✓				
Prashanth Pogu	✓				✓	

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Thank you

We are open for Q&A.

