



## Data Insights Specialist - Analytical Assessment

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**Instructions:** This exercise is designed to assess your ability to analyze data, craft compelling narratives, create visually engaging charts, and effectively present findings to both technical and non-technical audiences. This task reflects the work you'll regularly engage in at World Data Lab.

To complete this assessment, you will **analyze the provided dataset**, generate **insights (4–5)**, and **present the findings** to the team. Use **R or Python** for analysis, and feel free to consult any resources. Please list any resources used in your slide deck.

This task will be evaluated based on the quality of insights, clarity of narratives and visualizations, presentation skills, and code proficiency.

Send the following documents when submitting the completed assessment:

- A PowerPoint or PDF slide deck with your insights (maximum of **8 slides**).
- Code for analysis and visualization (R or Python script or Jupyter notebook).
- Any additional materials used.

**The Task:** The WDL team has prepared a data set for a project focused on understanding youth labor market dynamics in Kenya and Rwanda. You have been provided with a dataset and tasked with **generating 4–5 key insights** to **present** to a client team of specialists, program leaders, and technical experts. These insights will play an important role in shaping the client's programming and informing strategic decisions.

Please use the data set below for all your analysis.

- *kenya\_rwanda\_data\_v1.csv* – Includes preliminary labor market data for Kenya and Rwanda.

**Annex 1: Variable Description**

Variable	Description
country	Country names (Rwanda and Kenya)
year	Year of reference
age_group	Age group (15-24 and 25-35)
gender	Male and female
education	Highest level of education attained; <ul style="list-style-type: none"><li>• No - No education level attained yet.</li><li>• Primary</li><li>• Secondary</li><li>• Tertiary</li></ul>
status	Employment status; <ul style="list-style-type: none"><li>• Employed</li><li>• Unemployed</li><li>• Inactive</li><li>• Students</li></ul>
sector_group	Broad sectors of employment; <ul style="list-style-type: none"><li>• Agriculture</li><li>• Industry</li><li>• Services</li></ul>
Population	Number of youth