Exercise
Matching headline, data and graphs

Summary

1. Module: Data Visualization[1]
2. Lesson: Matching Data and Graph Types
3. Sub-topic: Matching headlines and data with graph types
4. Objective: Correctly identify which headlines and data go with which type of graph and why
5. Time Allotment: 30 minutes

Steps

Learning Context

[Choosing the Correct Chart](#) and [Chart Design and Color Basics](#)

In Groups

Part 1

Match the headline and data set to the most appropriate chart. Please sketch and label the chart.

Data	Headline	Graph (bar chart, line chart, pie chart, pictogram)
Rate of girls out of school	1 in 4 girls are absent from primary school	

Percentage of candidates running for parliament who are women over the last 10 years	Female representation in politics remains "strikingly low"	
Prevalence of unemployment by educational background	Unemployment among university graduates higher than those who did not finish high school	
Proportion of national budget by funding source.	Energy, Planning and Defense ministries account for more than half of the union budget	

Part 2

Beyond choosing a basic chart, there are a few more considerations for making effective use of those chart types. Each group, review these best practices, then find sample chart for each category in the Subnational Statistical Report 2017 and critique based on these rules:

1. Stacked bar chart
2. Pie chart
3. Line chart

Further Practice

There are many tools to help you decide which chart type fits your data. Please check these for more guidance:

https://www.data-to-viz.com/

https://blog.datawrapper.de/category/thoughts-how-to-s/

Assessment

Choosing the correct graph takes practice. Listen to your classmates present and think of possible uses of the different types of charts that are presented.