

1. Write a code to find the province with the most hydropowers and plot them in a map.
2. Write a code to scrape the following urls
 - a. https://en.wikipedia.org/wiki/Markov_decision_process
 - b. https://en.wikipedia.org/wiki/Reinforcement_learning
 - c. https://en.wikipedia.org/wiki/Multi-agent_reinforcement_learning
 - d. https://en.wikipedia.org/wiki/Andrew_Barto
 - e. https://en.wikipedia.org/wiki/Richard_S._Sutton
 - f. https://pt.wikipedia.org/wiki/Aprendizagem_por_refor%C3%A7o

And plot the top 20 words along with their total count.

3. Write a program to implement text clustering.
4. Download the data from [MSNBC](#).
 - a. Write a program to count the **frequency of each page category** and plot a bar chart.
 - b. Identify and count all **page-to-page transitions** (e.g., **FrontPage** → **News**).
 - c. Plot a **Sankey diagram** to visualize the **top 30 most common transitions**.