KIMEP Data Science Lab Meeting Minutes April 9, 2022

1. Group updates

| **No.** | **Team** | **Outcome** | **Project** |
| --- | --- | --- | --- |
| 1 | Education Policy | policy recommendations | promote more equal educational resources and opportunities, specifically schools in rural area   * Resources (money, labs) * Demographics: disabled, low-income families |
| 2 | Business Consulting | industry consulting | exploring for consulting opportunities in 2-3 sectors (may divide into a few teams)   * Group 1: Magzhan, Azamat, Alan, Aida (choose industry: list 5-10 companies who you would like to approach) * Team TechnoDom: Aruyel, Altynai, Tursunai, Aidana, |
| 3 | North Korean Elite Governance | academic publications | analyze internal politics of N. Korea using relational analysis of elites' resumes   * Ryu Seung-ok, |
| 4 | North Korean Human Rights (NKHR) Movement in S. Korea | academic publications | analyze South Korea's NKHR movement using network analysis of civil society organizations and Natural Language Processing (NLP) of news media |

1. Python Pandas

Installing Python, Jupyter Notebook, Pandas

* Python - <https://www.python.org/>
* Jupyter Notebook - <https://jupyter.org/>
* Python Pandas - <https://pandas.pydata.org/>

Data

* world cities data (.csv & .xls) -<https://simplemaps.com/data/world-cities>

Pandas Cheat Sheets

* <https://towardsdatascience.com/my-python-pandas-cheat-sheet-746b11e44368>
* <https://www.dataquest.io/blog/pandas-cheat-sheet/>

Topics

* import/export data
* View
* Clean
* Panda & SQL
  + Select
  + Filter
  + Group
  + Order
  + Join/Combine
  + Statsitics