**2023 CSE Winter School – Activity Report**

**Mentor**: Alambek Gulamidinov

**Class details**

* **Session** [6]: Data Wrangling
* **Date**: 2023.01.30
* **Time**:   
  - 1.30 12:00-15:30 (3, 5 hours) preparation

- 1.30 19:00-20:00 (1 hour) Lecture

- 1.30 20:00-20:30 (0,5 hour) Q&A session

* **Attendees**: [정영찬, 예현수]
* **Absentees**: [고은호 : unknown reasons]

**Description**

[Brief narrative summary]

The 6th session was about Data Wrangling.

Data wrangling is the process of removing errors and combining complex data sets to make them more accessible and easier to analyze. Due to the rapid expansion of the amount of data and data sources available today, storing and organizing large quantities of data for analysis is becoming increasingly necessary.

We covered basic theory of data wrangling in terminal, since we couldn’t connect to a server.

We covered how we already use data wrangling and how can we learn more advanced data wrangling usage.   
And here we learned SED and AWK editors that use regular expression.  
I explain to students what regular expression is and how can we use it for pattern matching and data formatting. And its usage in other areas.

Then we covered data analyzing and some commands related to that.

After the lecture we had Q&A session on Discord server.

**Activity Screenshot**

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