23 August

- Explainable AI
  * AI can tell explain its predictions
  * different levels of explainability

- Predictive Police
  * Police goes to place of crime before its aware of crime
  * Crime is social, exists everywhere to some extent
  * ETHICs: Should this be done?
  * Innocent before proven guilty
  * AI and policing - very tricky

- AI and Energy
  * GPUs power hungry and v. expensive
  * not paying and using IITB server recklessly ethical?

- In India platforms are not considered employers
  * Uber says its app company not taxicab
  * "Uber driver is not our employer" - Uber
  * Uber penalises driver on not taking particular route
  * Zomato says its a bazaar not company
  * These company have hiring/firing/money setting power
  * All these companies use/crunch petabytes of data
  * AI enables platform <-> platform enables AI by data
  * AI becomes part of society => AI becomes part of society
  * Platform are bad employers, harm local taxicab drivers/kaali-peeli

- AI being used everywhere from blue-white collar jobs, Pharma etc...
  * How to Argue with an Algorithm?

NLTK book - First 8 chapters

- What is Natural language?
  * Any language you speak in, English, Hindi, Malyalam

- What about computer language?

corpora - latin for corpus - body/books
Habeas Corpus - "law: bring me the body"

```
# install pip
import nltk
nltk.download()
# download everything
from nltk.book import *
text6.concordance("Horse")
# number of times "Horse" appeared in text6
text6.similar("Horse")
# number of times similar to "Horse" appeared in text6
# collocation: predictable combination of words
# bigrams: pair of words appearing together in text
len(text6)
for x in text6:
    print(len(x))
# Word sense disambiguation
# Coreference resolution/Anaphora Resolution - Pronoun resolution
# Machine Translation
```