**김현규 - FAKE NEWS**

**Idea : Fake news advisor**

* Terminology
  + **Fake news:** News or stories on the internet that are not true. They may be in the form of disinformation or misinformation.
  + **Disinformation:** False information that’s created and shared to deliberately cause harm.
  + **Misinformation:** Generally used to refer to misleading information created or disseminated without a deliberate intent to cause harm.
* Statistics
  + During the pandemic, consumption of fake news soared
    - During the COVID-19 pandemic, **80% of US adults have consumed fake news** about it.
    - 2021 statistics from the Central Statistics Office (CSO) show that [**62% of Internet users**](https://www.thejournal.ie/internet-use-untrue-information-cso-5621553-Dec2021/) saw untrue or doubtful content online.
  + Other facts include
    - **Fabricated political news** is spotted online by an **average of 32% of American adults.**
    - **64% of US adults** believe false information can be confused with facts.
    - Based on a 2019 survey, **86% of Internet users get duped by fake news**.
    - **67% of US adults** have read false information on **social media**.
    - In 2021, **over 60% of Americans** believe **social media** is a place for **misinformation**.
    - **China** displays the **most trust (79%)** in their mainstream news sources, while **South Koreans** trust the media the **least (27%).**
* Fake news has become a tool in the modern age and is here to stay
  + However, the trust in the media is falling year by year

<https://www.statista.com/topics/3251/fake-news/#topicOverview>

**Research on detecting fake news**

* A lot of research is already going on focused on the classification of fake news.
  + With the introduction of the **BERT model in 2018**, the linguistic capability of machines have dratically increased and thus allowed for this kind of research
* Sometimes, all you need to fact check something is just a google search
  + The scary thing about fake news is how easy it is to just take it in as gospel

**Solutions**

* Fake news detection
  + Use pre-existing detection models to help user determine news validity
  + Use fact verification only
* Fake news data and ML
  + Datasets (some updated weekly) are available for using in models that can utilize basic ML algorithms (KNN, naive bayes classifier etc.)