

Autoregressive Language Models (ALM)

ChatGPT vs Bard

What is ALM?

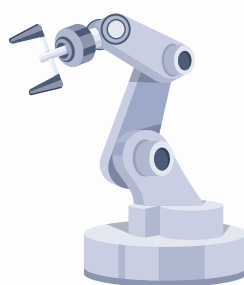
- *Autos* in Greek means self
- *Regressio* in Latin means going back, return.
- Machine learning (ML) builds models
- Natural Language Processing (NLP) combines etymology and ML

What is ChatGPT & Bard?

- Many competitors in the market
- **ChatGPT:** original bot, limited to 2021, requires email, ethical complexity
- **Bard:** real-time information, human-like, philosophical

Ethical issues

- Personal and sensitive informations
- Privacy and security of user data
- Huge amount of user data that Google have since their deployment
- Transparency of data policy
- False and misleading information
- Users might develop emotional connections



Ethical Solutions

- AI awareness
- User customization of AI behavior within ethical limits
- Educating the public about the potential ethical implications

Privacy

- How do they collect data?
- California lawsuit filed Google and OpenAI
- Any information on the internet can be used.
- Our data is collected from SNS
- How they use our data?

Big issue of data collection



Less Accuracy vs Protect Data



Privacy Solutions

- Transparency issue
- Describe how they collect and use our data
- Difficulty of explain all case
- Claim from California lawsuit
- Less accuracy or protect data?

Security

- Data Vulnerability
- Adversarial Attacks
- Model Security

Security Solutions

- Robust Model Training
- Regular Security Audits
- User Awareness and Control
- Collaboration with Security Experts

Conclusion

- Finding effective solutions
- Use this power of data responsibly
- Find transparent and safe ways of handling the data
- Let users control their data