



DSN AI+ Virtual Meetup

Artificial Intelligence and the Future of Dating and Love

Presented By
Ekle Tony @DSN-Abuja Meetup
27th Feb. 2021

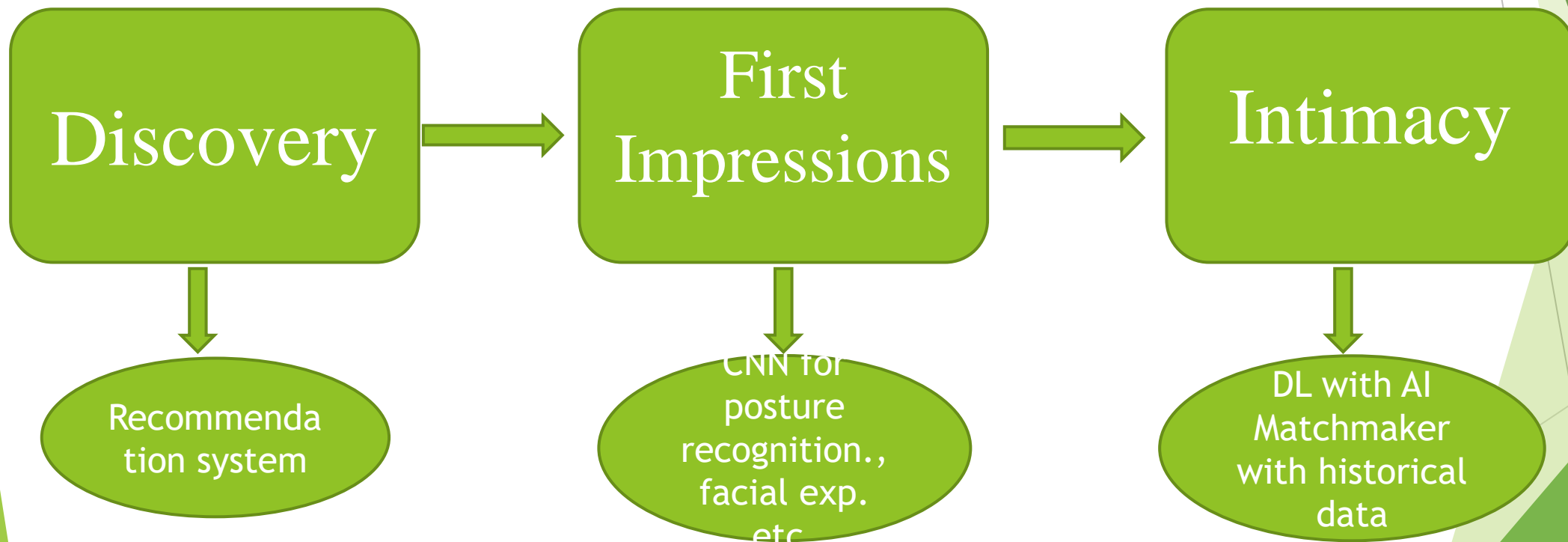
DSN AI+ Virtual Meetup

WHAT IS DATING?



DSN AI+ Virtual Meetup

FROM DATA SCIENCE PIPELINE.



DSN AI+ Virtual Meetup

RECOMMENDER SYSTEM

- Content-control software or Content Filtering e.g. grouping of preferences Books, Song, Music, Videos etc.

DSN AI+ Virtual Meetup

OVERVIEW

- Existing System
- The phases of AI's impact on the future dating.
- Social and economic implications

DSN AI+ Virtual Meetup

1. **EXISTING SYSTEM**

DSN AI+ Virtual Meetup

- Dating apps have been an incredibly valuable asset. Some of those Apps which include: **Badoo (2006), Tinder, AIMM (Artificial Intelligence Matchmaker) etc.**

DSN AI+ Virtual Meetup

- Nevertheless we shall see that the future of AI in dating isn't all about finding better “matches” on online Apps.

DSN AI+ Virtual Meetup

- **FACT:** It's Estimated that Approximately 70% of the couples will meet online in 2040, according to the numerous surveys. And no doubt, technology (AI) will play a major role in the matchmaking process.

(Source: <https://becominghuman.ai>)

DSN AI+ Virtual Meetup

2. FEATURE IMPACT OF AI IN RELATIONSHIP

DSN AI+ Virtual Meetup

A. Match people with more similar interests and values: The primary goal of any dating app is to match the users until they find a perfect match.

But with Deep Learning and Graph theory (GNN) will make that a very effective exercise.

DSN AI+ Virtual Meetup

- B. **DNA MATCHING:** With the use of AI techniques **Forensic** scientists can use DNA profile in crime detection. Beside that a sample of a person's DNA can be sent for analysis and will then be matched with the most suitable person (from a scientific point of view).

DSN AI+ Virtual Meetup

- C. Match people based on proxies to correlation or connection to long-term satisfaction: AI may find proxies for compatibility for dating or longer-term relationship success with enough data about people, and about their relationship success.

DSN AI+ Virtual Meetup

D. AI-created virtual lovers and friends:

In this phase, actual **virtual personalities** become viable, customizable to the needs and preferences of the user. For example, you could customize a virtual personality to suit your profession. (Programmers and Mathematicians can relate.)

DSN AI+ Virtual Meetup

E. AI- created virtual lovers and friends enabled by brain-computer interface: (BCI)

BCIs have the advantage of having access to brain activity which can provide significant insight into the user's emotional state.

DSN AI+ Virtual Meetup

At some point, brain-computer interface (BCI) will make two things possible:

- a. First, BCI will permit machines to directly pipe sensory experience (or even memories or complex emotional states) into the brain, and
- b. Second, BCI will permit a feedback loop that allows the system to monitor the user's experience in a high resolution, greatly improving the ability to calibrate that experience to the user's preference.

DSN AI+ Virtual Meetup

3. SOME IMPLICATIONS OF AI IN RELATIONSHIP

DSN AI+ Virtual Meetup

A. SOCIAL IMPLICATIONS:

- Falsehood and Fake Profiles.
- It's Hard to fully evaluate a match without any physical interaction
- High expectancy in relationship and increase rate of divorce.

DSN AI+ Virtual Meetup

B. ECONOMICAL: from analysis of emotional crisis recorded so far, AI or virtual dating platforms or App will be a major source of economic power and whoever owns these substances will have power beyond anything now known

DSN AI+ Virtual Meetup

For example, In China the **CCP** (Chinese Communist Party) will undeniably own this experience entirely, in the USA and the West it seems that private companies (mostly out of Silicon Valley) will lead the way

DSN AI+ Virtual Meetup

CONCLUDING QUESTIONS:

1. How should we govern these virtual ecosystems?
2. How should we regulate them?
3. How can human rights be upheld?
4. Should the international community ban some of these technologies to maintain human dignity?



DSN AI+ Virtual Meetup

THANK YOU!