

Conversational AI

Demo presentation
7th week

June
2022



Content



- Progress of the week
 - ❖ Testing new dataset / Improve preprocessing
 - ❖ Image response
 - ❖ 2nd version of Telegram bot
- Next steps
- Questions



Progress of the week

Testing new dataset / Improve preprocessing



- Test our model to the Complete The Look Dataset
 - Results didn't improve (co-occurrence matrix still had issues)
- VinVL was the problem (black heels = black boots and black heels)
- Better preprocessing

Testing new dataset / Improve preprocessing

	co-occurrence_matrix
1	pair
2	('black dress', 'black heel')
3	('black boot', 'black heel')
4	('black heel', 'black shoe')
5	('black sunglasses', 'black glasses')
6	('black glasses', 'black sunglasses')
7	('black boot', 'black dress')
8	('white dress', 'white shirt')
9	('black heel', 'black sandal')
10	('black dress', 'black shirt')

	Final_co-occurrence_polyvore
1	pair
2	('black dress', 'black heel')
3	('black boot', 'black dress')
4	('black heel', 'black jacket')
5	('black boot', 'black jacket')
6	('black hat', 'black boot')
7	('black dress', 'black jacket')
8	('black boot', 'black trousers')
9	('white black dress', 'black heel')
10	('black boot', 'black bag')

Image response

- Some problems remained (for example multiple people in one image)

- Display Google Images

white shirt black boot



Telegram bot



- We implemented the second version of the Telegram bot
 - Cleaned dataset
 - Include the similarity search
 - Google Images

Next steps

- Improve similarity search on response. It takes too much time

```
matrix_search('black pant',5)
```

```
(['black boot',  
  'white shirt',  
  'black jacket',  
  'black glasses',  
  'black hat',  
  'black shirt'],  
8)
```

```
matrix_search('black pant',5)
```

```
(['black boot',  
  'white shirt',  
  'black heel',  
  'black jacket',  
  'black glasses',  
  'black hat',  
  'black shirt',  
  'dark black sunglasses'],  
8)
```

- Do more research on the metrics that we will be using to evaluate the combinations of clothes

THANK YOU!

Time for your questions

