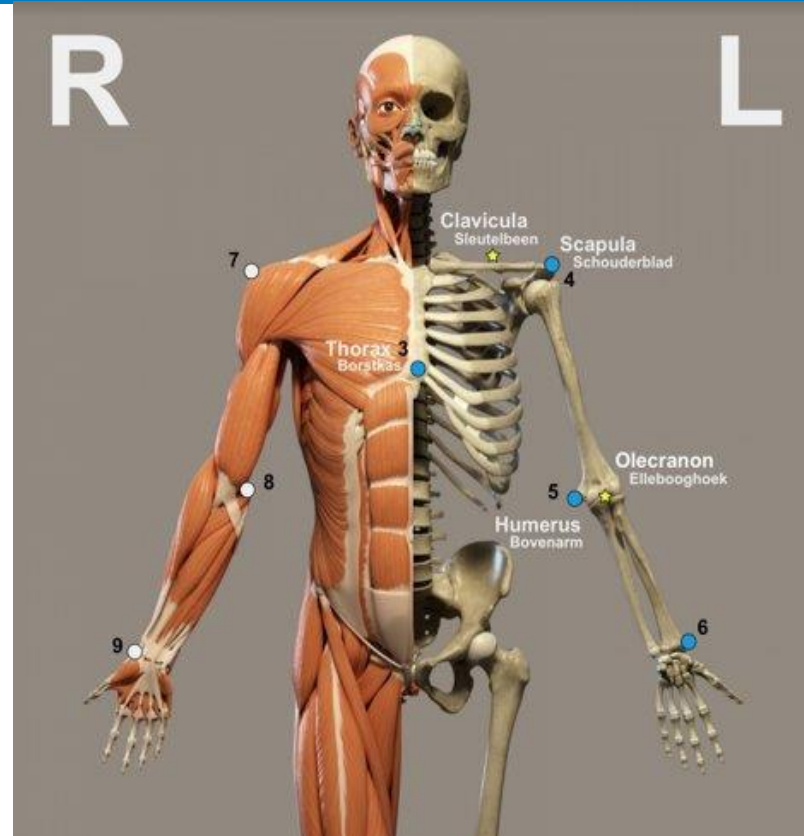


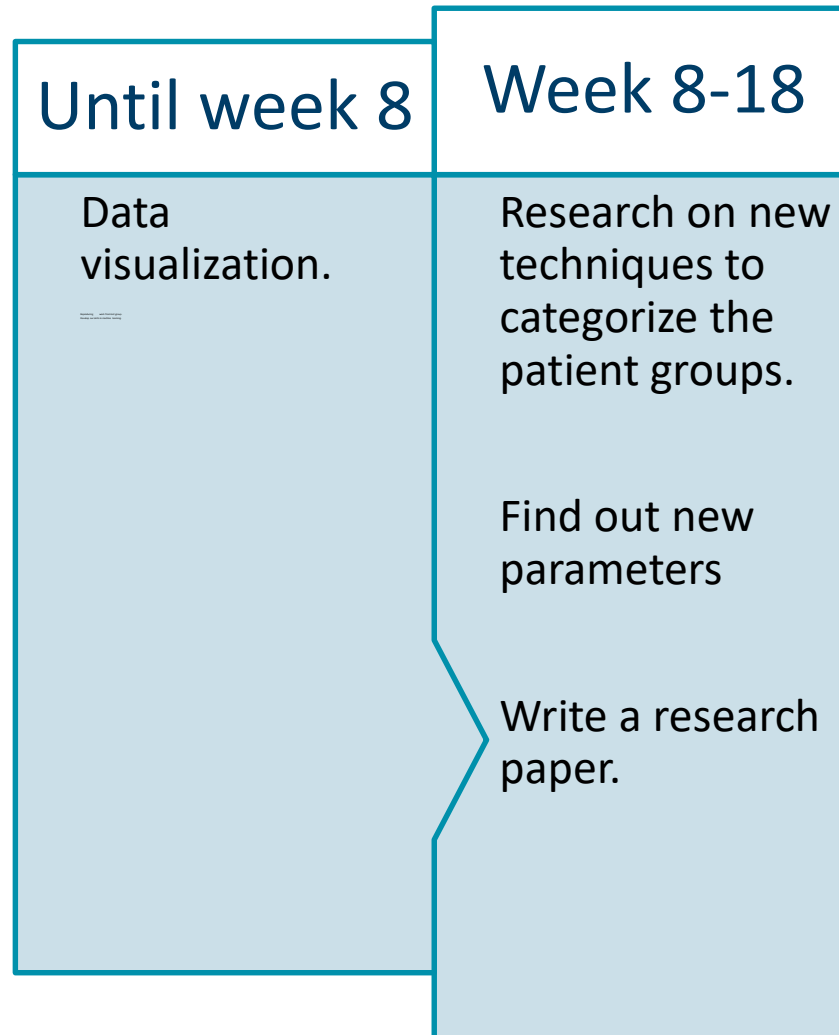
Ortho Eyes

Dr. Tony Andrioli

Raphael, Brice, Eddie, Hassan,
Arjun, Lennart, Rachelle



General plan



Meeting at LUMC

- Created Data with Flock of Birds sensor
 - Insight on data creation
 - Performed multiple exercises
 - Different people



- Data transformation explained
- Received all raw data sets
 - Including patient exercises
- Matlab transformation script



Also last sprint

Re-doing the analysis of last group (Logistic regression model)

Training done!

	precision	recall	f1-score	support
1	1.000	1.000	1.000	166
2	1.000	0.999	1.000	1358
3	0.995	1.000	0.997	187
4	1.000	1.000	1.000	4390
micro avg	1.000	1.000	1.000	6101
macro avg	0.999	1.000	0.999	6101
weighted avg	1.000	1.000	1.000	6101

0.9998360924438616



What is next

- Code Review latest machine learning model
- Convert raw patient data to CSV with Matlab
- Improve machine learning model
 - Randomize patient in test-data
- Creating a ml model per exercise (results in 5 answers of possible patient groups)
- Read through code of Matlab to see if new information could be added to csv (entropy etc)
- Converting the recorded data by ourselveso CSV
- Running the recorded data by ourselves through latest model
- Answer sub-questions on data recording and types of unsupervised machine learning models.



Questions & Suggestions

