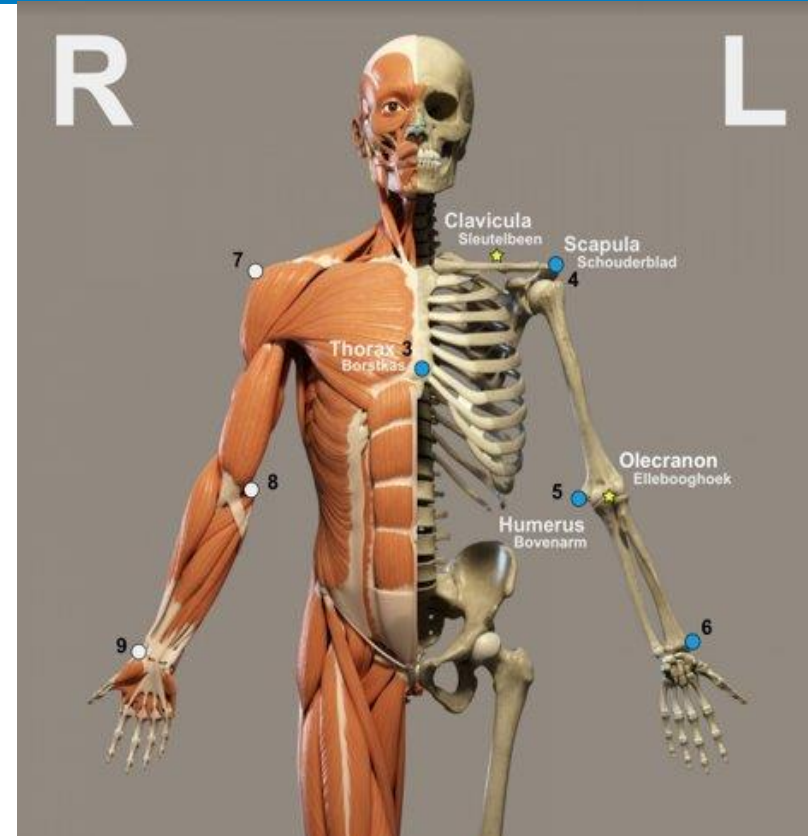


Ortho Eyes

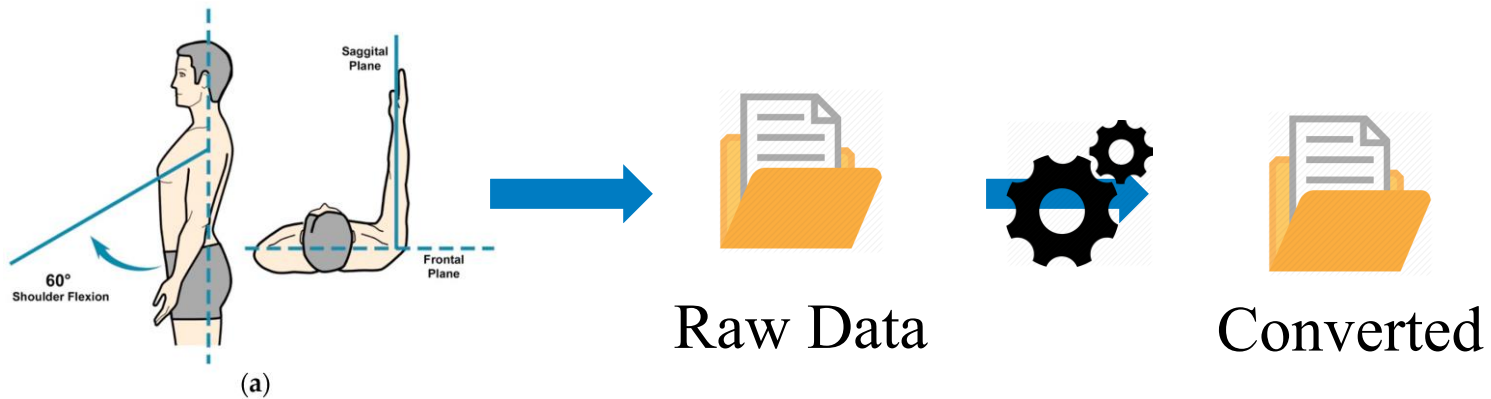
Dr. Tony Andrioli

Raphael, Brice, Eddie, Hassan,
Arjun, Lennart



Understanding The Exercises

Origin of the data



Understanding The Exercises:



Raw Data

VS



Converted data

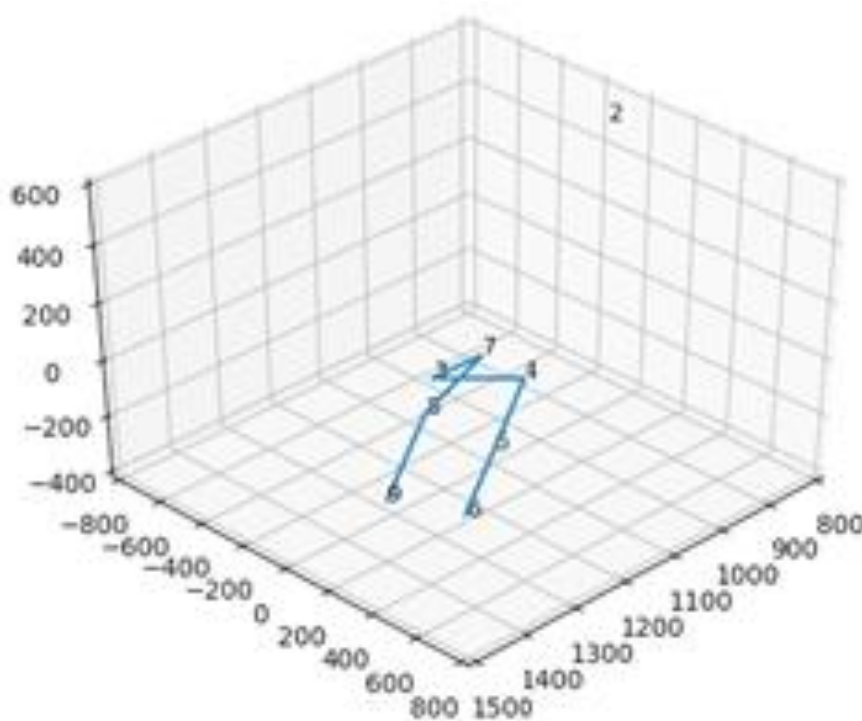
- ✓ Only 1 Raw Data & Converted data.
- ✓ Comparing raw data vs converted data through visualization
- ✓ Verifying the correct working of the visualization / checking work of previous group.

Understanding The Exercises:

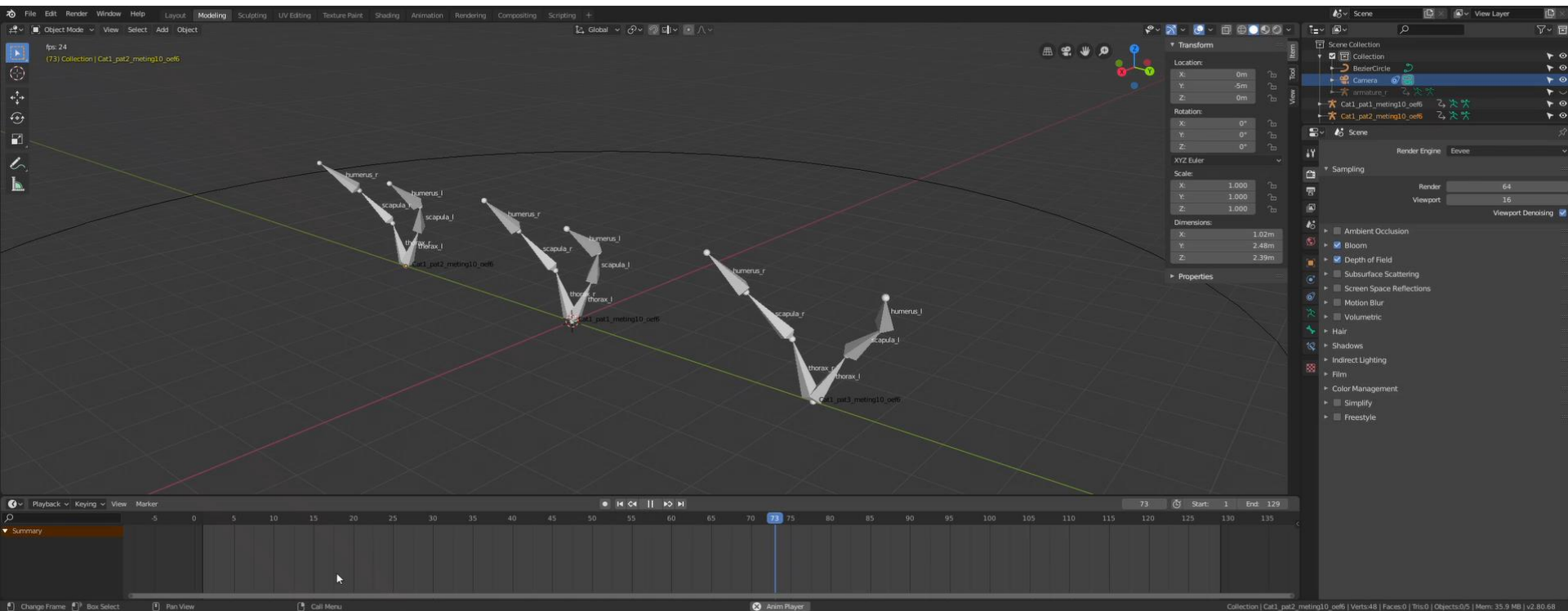
Visualization:

- Matplotlib

matplotlib

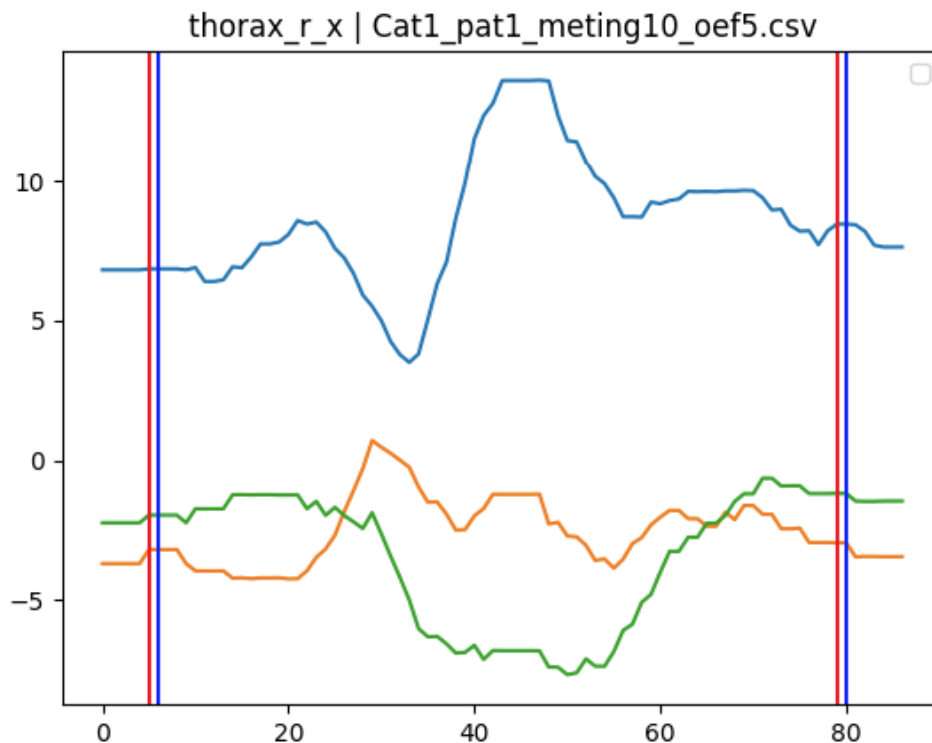


Understanding The Exercises:



Cleaning methods

- ✓ We know the previous group manually cleaned the data, these are almost 1400 file



```
1 | FileName,Split,RemoveJunkBefore,RemoveJunkAfter,Date,User
2 0,/datc/ortho/Cat2_pat22_meting10_oef2.csv,60,1,109,2018-12-07 12:03:10.807920,JouwNaam
3 1,/datc/ortho/Cat4_pat24_meting2_oef2.csv,0,4,82,2018-12-10 10:00:14.739834,JouwNaam
4 2,/datc/ortho/Cat4_pat23_meting2_oef2.csv,0,0,33,2018-12-10 10:04:02.600750,Luke
5 3,/datc/ortho/Cat4_pat15_meting1_oef2.csv,0,6,41,2018-12-10 10:04:21.491707,Luke
6 4,/datc/ortho/Cat4_pat24_meting1_oef2.csv,0,3,47,2018-12-10 10:04:46.735062,Luke
7 5,/datc/ortho/Cat4_pat12_meting1_oef2.csv,0,6,55,2018-12-10 10:06:36.288708,Luke
8 6,/datc/ortho/Cat4_pat23_meting1_oef2.csv,0,4,44,2018-12-10 10:13:07.043477,Luke
9 7,/datc/ortho/Cat4_pat6_meting1_oef2.csv,0,2,30,2018-12-10 10:19:55.770081,Luke
10 8,/datc/ortho/Cat4_pat17_meting1_oef2.csv,0,6,76,2018-12-10 10:21:08.448906,Luke
11 9,/datc/ortho/Cat4_pat14_meting1_oef2.csv,0,4,78,2018-12-10 10:22:56.740627,Luke
12 10,/datc/ortho/Cat4_pat14_meting2_oef2.csv,0,3,63,2018-12-10 10:23:25.851095,Luke
13 11,/datc/ortho/Cat4_pat11_meting1_oef2.csv,0,3,55,2018-12-10 10:24:50.386628,Luke
14 12,/datc/ortho/Cat4_pat6_meting2_oef2.csv,0,4,33,2018-12-10 10:25:16.007087,Luke
15 13,/datc/ortho/Cat4_pat17_meting2_oef2.csv,0,2,53,2018-12-10 10:25:42.507397,Luke
16 14,/datc/ortho/Cat4_pat15_meting2_oef2.csv,0,0,40,2018-12-10 10:26:09.421598,Luke
17 15,/datc/ortho/Cat4_pat11_meting2_oef2.csv,0,3,42,2018-12-10 10:26:21.726453,Luke
18 16,/datc/ortho/Cat4_pat20_meting1_oef2.csv,0,4,90,2018-12-10 10:27:03.762633,Luke
19 17,/datc/ortho/Cat4_pat20_meting2_oef2.csv,0,0,59,2018-12-10 10:27:39.425408,Luke
20 18,/datc/ortho/Cat4_pat12_meting2_oef2.csv,0,0,50,2018-12-10 10:28:11.793642,Luke
21 19,/datc/ortho/Cat4_pat17_meting1_oef3.csv,0,5,110,2018-12-10 10:30:30.567719,Luke
22 20,/datc/ortho/Cat4_pat23_meting2_oef3.csv,0,3,0,2018-12-10 10:32:25.743961,Luke
23 21,/datc/ortho/Cat4_pat20_meting1_oef3.csv,0,4,74,2018-12-10 10:32:59.136565,Luke
```

Coming week

- ✓ Research on relevant topics
- ✓ Understand the basic analysis steps from last group
 - ❑ Through machine learning:
 - ❑ i.e. try to predict the correct patient groep.

Subject of research

- ✓ Movement & Sensors | Examples on cleaning data etc |
Translating / Enriching position and location of sensor data.
- ✓ How they look at certain problems, how they handle their data etc.



Project uitgelicht: Verbetering diagnostiek schouderklachten dankzij Living Lab Care Robotics

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Project uitgelicht: Verbetering diagnostiek schouderklachten dankzij Living Lab Care Robotics



donderdag 12 september 2019

Hoe kun je met de inzet van artificial intelligence (AI) de diagnostiek bij schouderklachten verbeteren? Vanuit [Medical Delta Living Lab Care Robotics](#) houden studenten van de minor Applied Data Science zich bezig met deze

Questions & Suggestions

