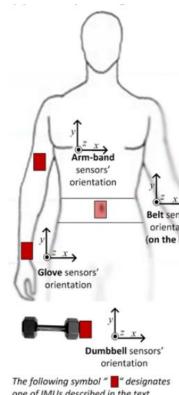
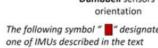
## Daniela Kuruczova

## PA196 - Course project proposal

- Topic
  - Automatic weightlifting exercise mistake recognition
  - Data from study by Velloso et al. [1]
    - raw data 152 features, 19622 entries
    - 5 categories (1 correct, 4 common mistakes)
    - lot of N/A values
- Question
  - Can we automatically recognize correct movement based on accelerometer data?
- Planned approach
  - Data cleaning and feature selection
  - Comparison of performance for selected algorithms





[1] Velloso, Eduardo, et al. "Qualitative activity recognition of weight lifting exercises." Proceedings of the 4th Augmented Human International Conference. ACM, 2013.