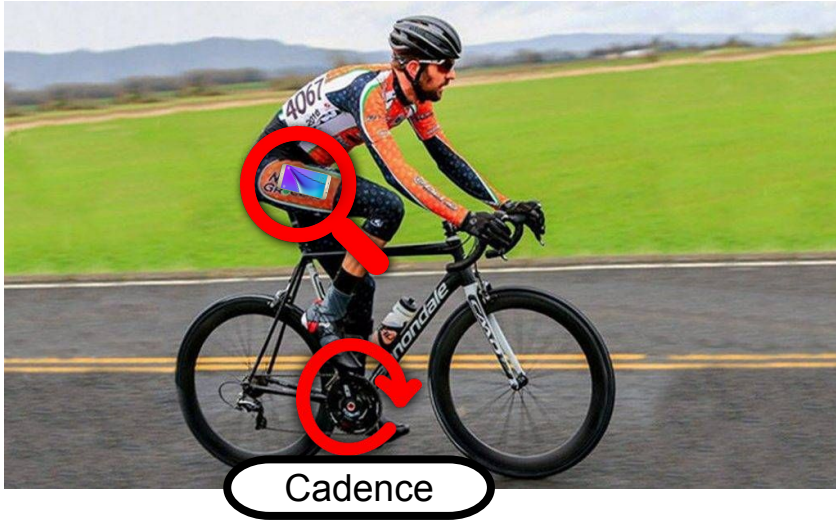# Cyclerr

IN4398 Advanced Practical IoT and Seminar (2019/20 Q1)

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Goal

Cadence
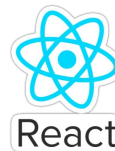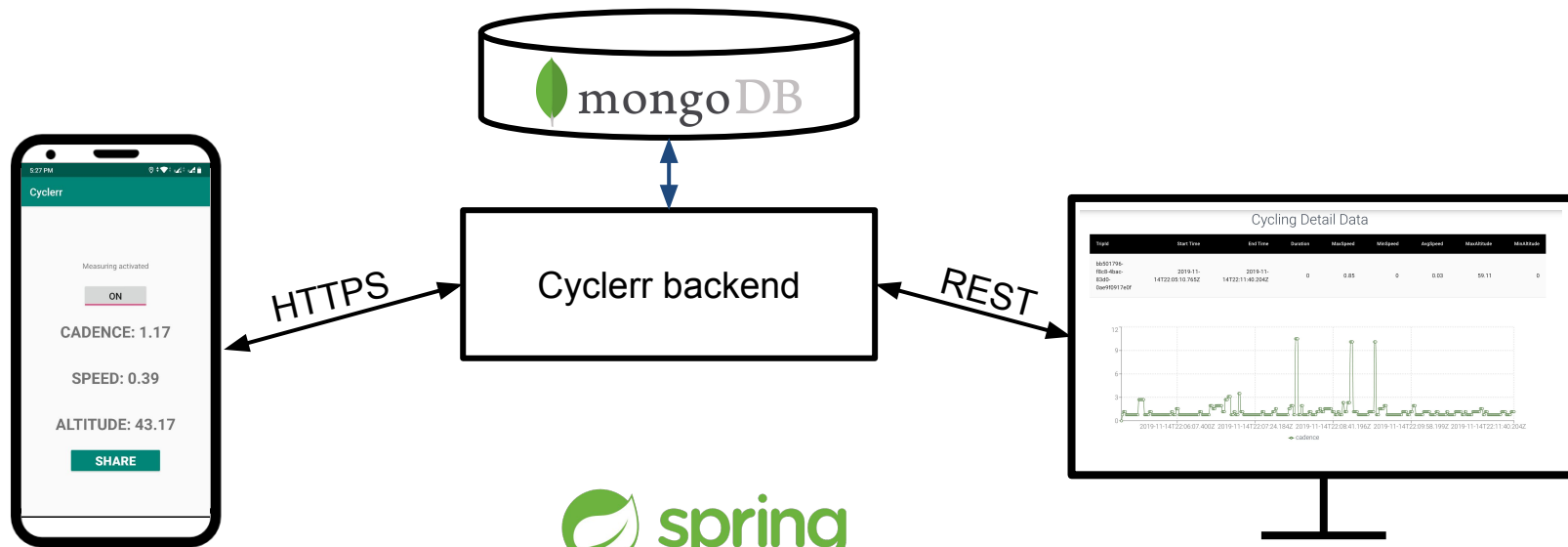
- track cycling metrics

- use smartphone sensors

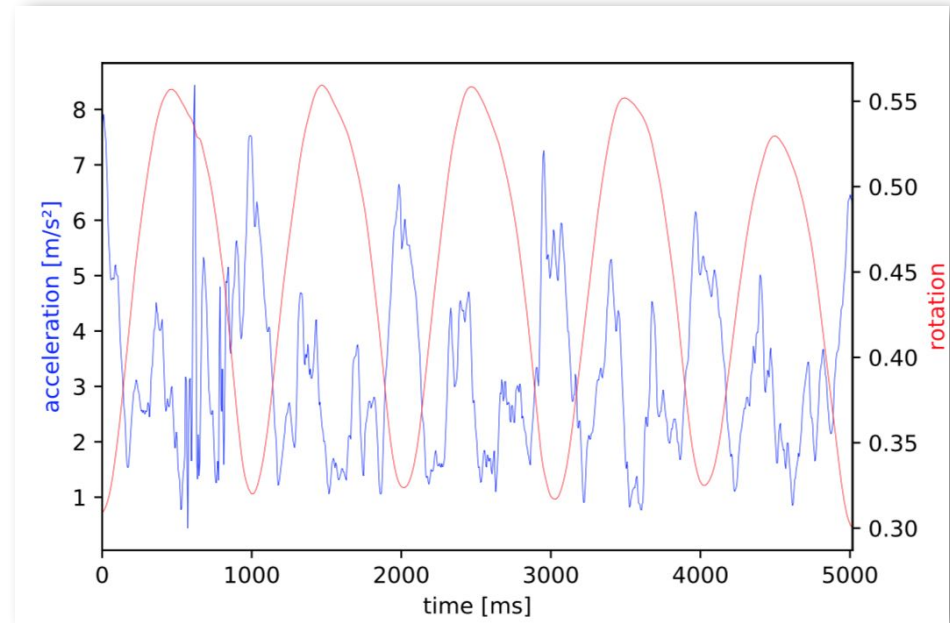- visualise results
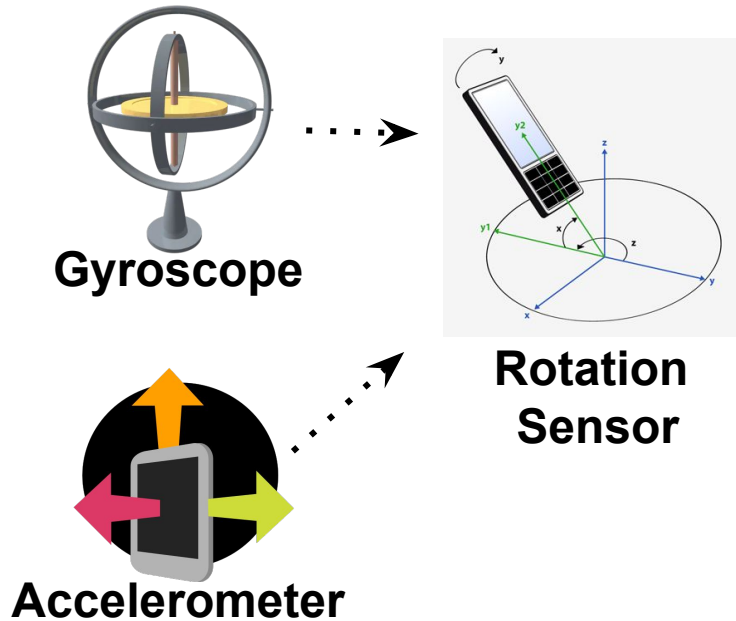
- live sharing with friends

TUDelft

Open your Cyclerr

System Overview
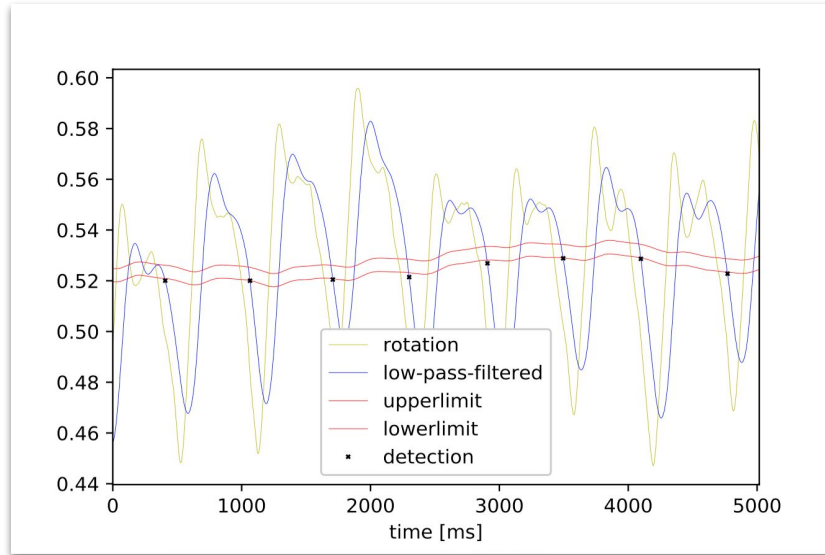
What is the best sensor to use?

Gyroscope

Accelerometer

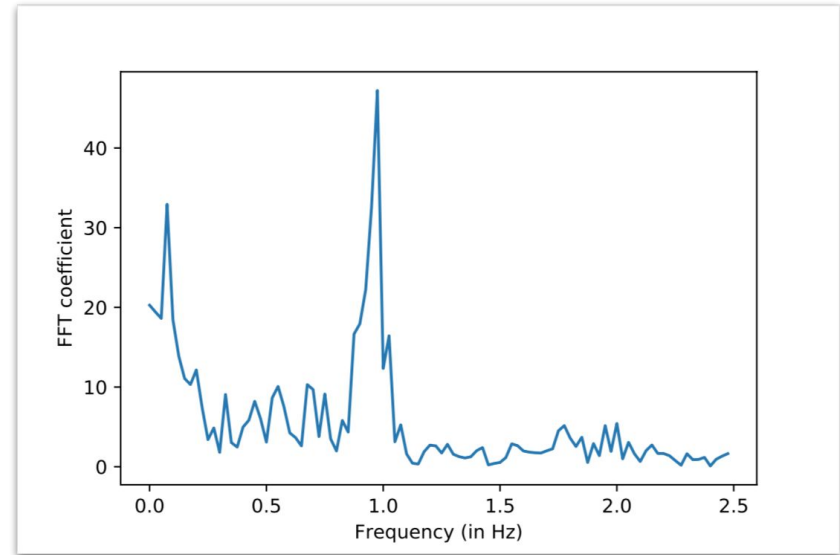**Rotation Sensor**

What is the best approach?

Threshold based analysis

Fast Fourier Transformation

Conclusion

⌛ **Further work:** gear detection, reliability, UX

☑ Technical Feasibility (Accurate Results)

☑ Running Prototype

☑ Scalable and extensible architecture

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