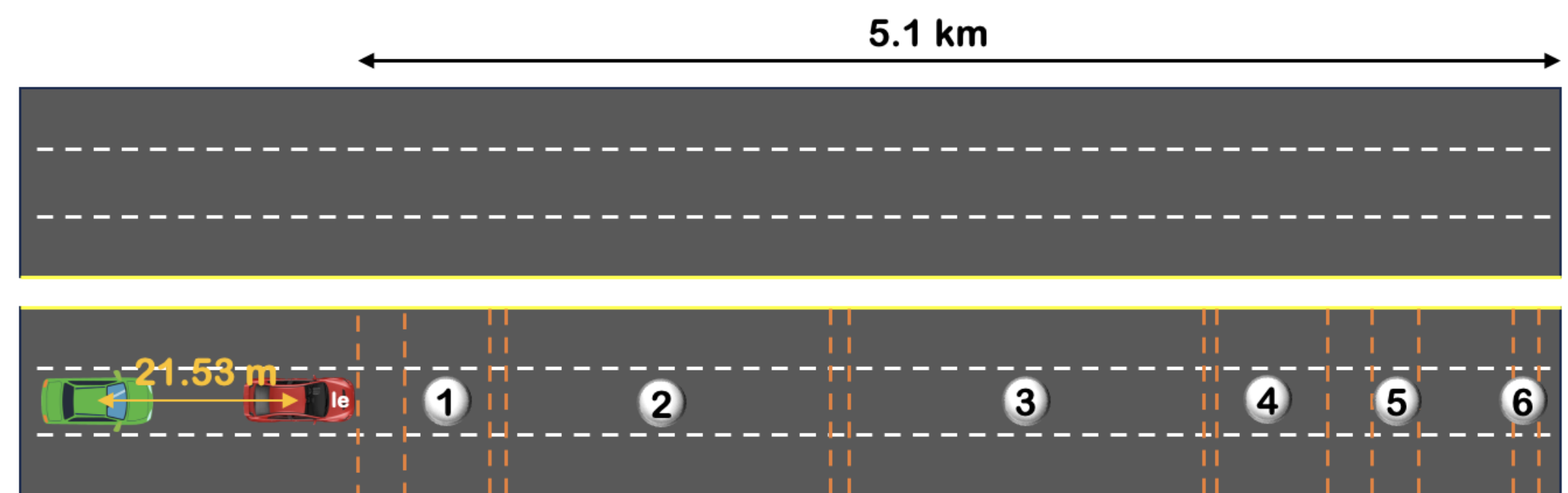
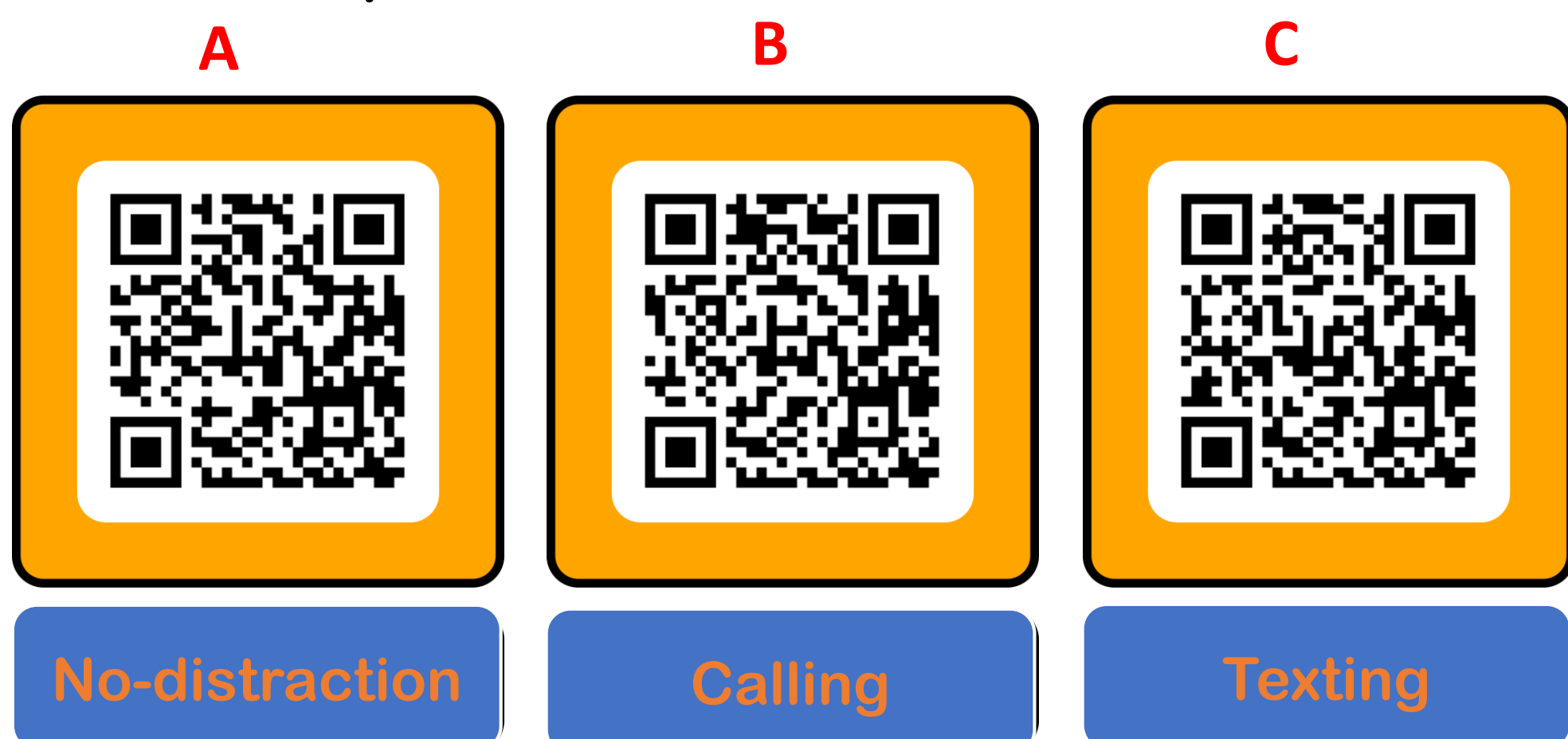


Motivation

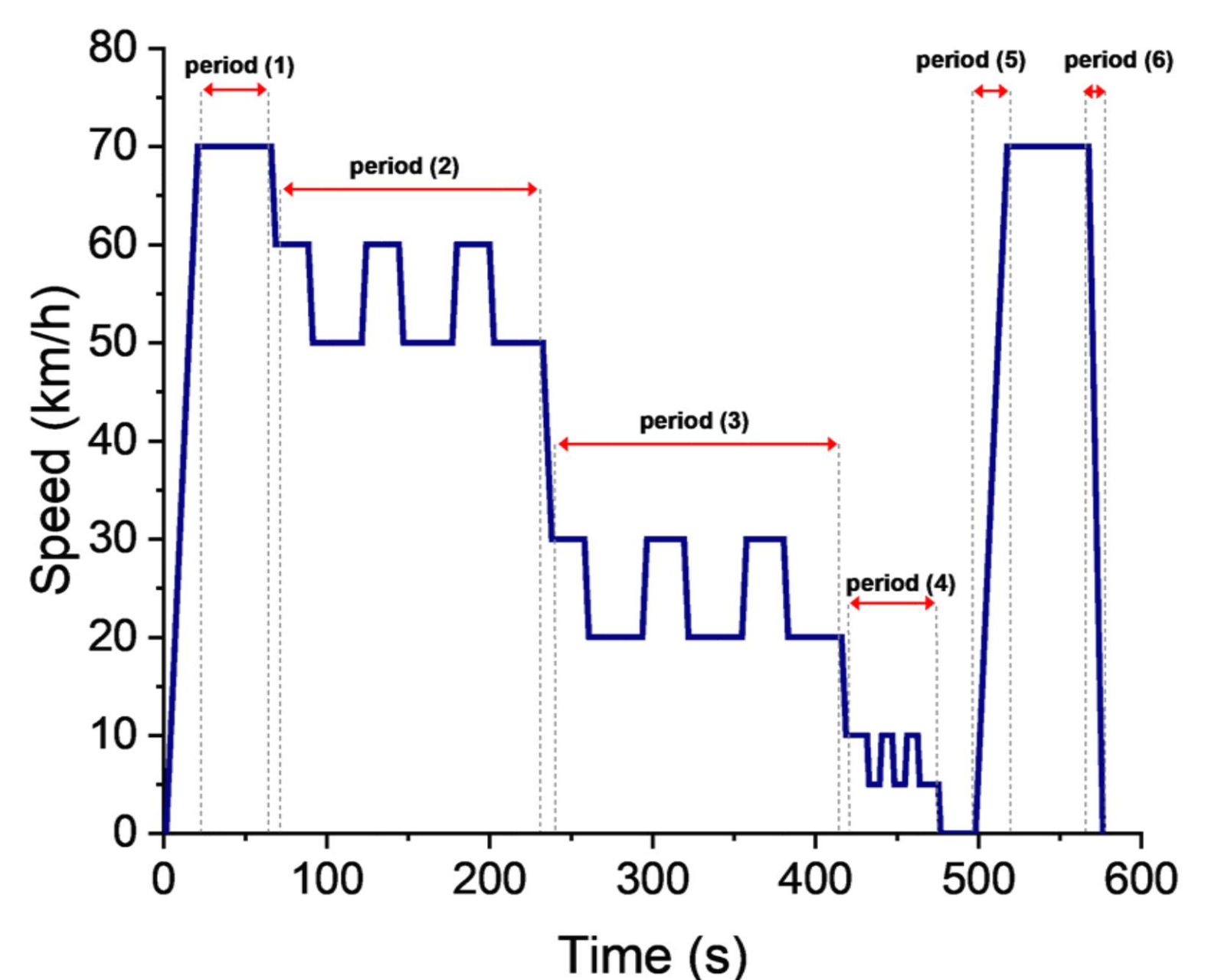
- The distraction caused by mobile phones is a growing concern for road safety.
- Drivers using mobile phones are approximately 4 times more likely to be involved in a crash than drivers not using a mobile phone.
- **Can we predict drivers distracted behaviour by analysing non-distracted driving behaviour?**

Dataset

- **Experimental setup and scenario design**
- Driving Simulator at the Road Traffic Injury Research Centre, Tabriz, Iran.
- 40 healthy participants (average age = 28.82 years, average driving experience = 8.45 years)
- Three experiments



Speed profile of the leading vehicle



K-means clustering results

- Using minimum space-headway, maximum speed, and maximum absolute value of the acceleration

