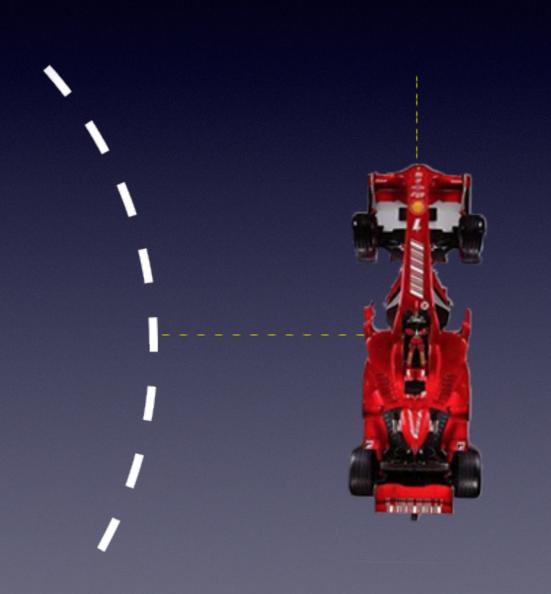
자율주행을 위한 컴퓨터 시스템 최적화

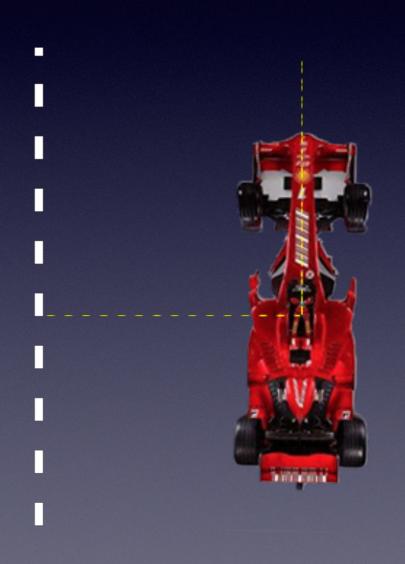
최항기 박중석 DCSLAB

Motivation

- The car needs to make an accurate judgment according to the surrounding environment.
- In order to autonomous drive better, we need to get more useful informations.

Puzzle?





SPEED
RPM
TRACK_ANGLE
TRACK_WIDTH
YAW
DISTANCE
PASSED_TIME



ACCEL BREAK STEER

Not enough!

SPEED
RPM
TRACK_ANGLE
TRACK_WIDTH
YAW
DISTANCE
PASSED_TIME

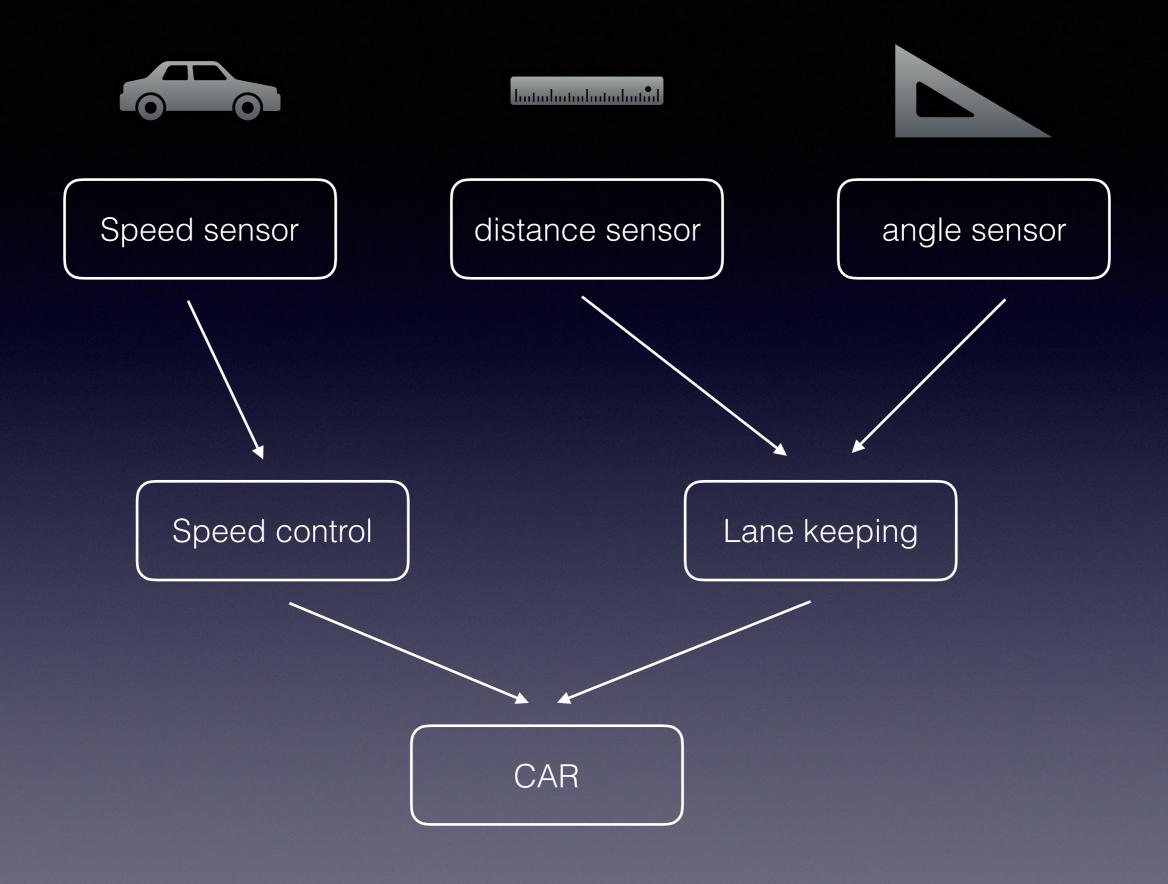


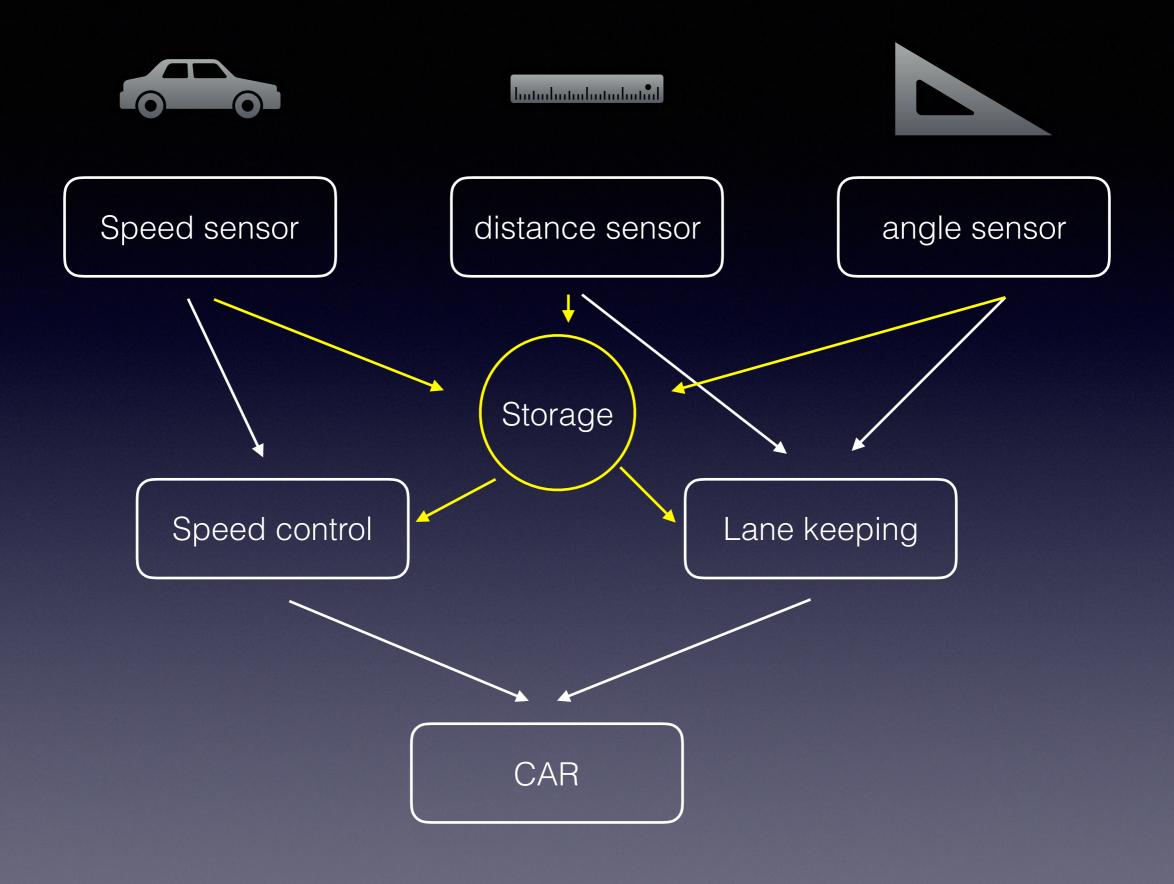
ACCEL BREAK STEER

We need more informations

The purpose of S/W improvements

- Whether the vehicle in the straight, or in the corner.
- How much is the curvature of the corner?
- Whether we can speed up to save time, or slow down to get stability.





Achievement

- We can know whether the car in the straight or in the corner, by comparing the angle of two adjacent periods.
- Through the track curvature value, we can optimize the steering in the corner.
- Speed up in the straight, and slow down in the corner.

Thank you. Q&A