Project Requirements: CAN Data Generation

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Class: ECE473

We will be using the acura_ilx_2016_can_generated.dbc format.

For Class B: $\sim 70\%$ of the rosbag file will be converted into the DBC format

We will aim to have the following headings in the dbc file completed:

1) ENGINE_DATA

2) POWERTRAIN_DATA

3) VSA_STATUS

4) STEER_MOTOR_TORQUE

5) STANDSTILL

6) WHEEL_SPEEDS

7) VEHICLE_DYNAMICS

8) BRAKE_COMMAND

9) ROUGH_WHEEL_SPEED

10) SEATBELT_STATUS

11) LOCK_STATUS

12) ACC_HUD

13) CRUISE

Class A: The program will be refined so that there is no memory loss. 100% of the rosbag file data will be converted to DBC format. Including all of the rest of the headings.

1) ENGINE_DATA

2) POWERTRAIN_DATA

3) VSA_STATUS

4) STEER_MOTOR_TORQUE

5) STANDSTILL

6) WHEEL_SPEEDS

7) VEHICLE_DYNAMICS

8) BRAKE_COMMAND

9) ROUGH_WHEEL_SPEED

10) SEATBELT_STATUS

11) LOCK_STATUS

12) ACC_HUD

13) CRUISE

14) LKAS_HUD

15) CRUISE_PARAMS

16) DOORS_STATUS

17) LONG_ACCEL

18) KINEMATICS

19) STEERING_CONTROL

20) GAS_PEDAL_2

21) GAS_PEDAL

22) STEERING_SENSORS

23) STEER_STATUS

24) GEARBOX

25) SCM_BUTTONS

26) SCM_FEEDBACK