-Clean up the system by substituting parts with simulink subsystems

-Use PI, PID controls

- log useful data

- compare simple threshold, min, hysteresis

-check if hysteresis is correct (odd acceleration peak of the host vehicle)

- compare acceleration before entering the vehicle plants and the response of the plant

- compare relative distance difference between vehicles (x\_L - x\_H )

to observe the safest alternative also in term of the required accelerations to provide that safety

1 control system

2 plot functioning

3 plot results for each mode