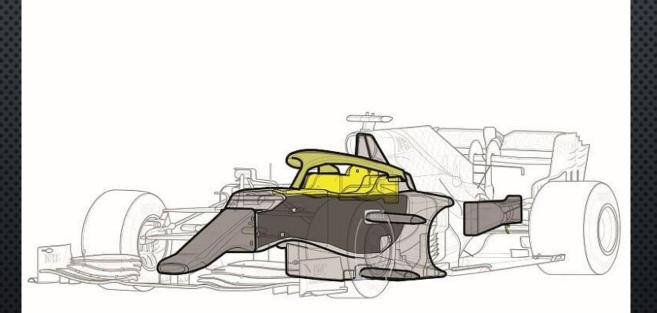
SAFETY IN FORMULA 1

- Agastya Kapur



FORMULA 1



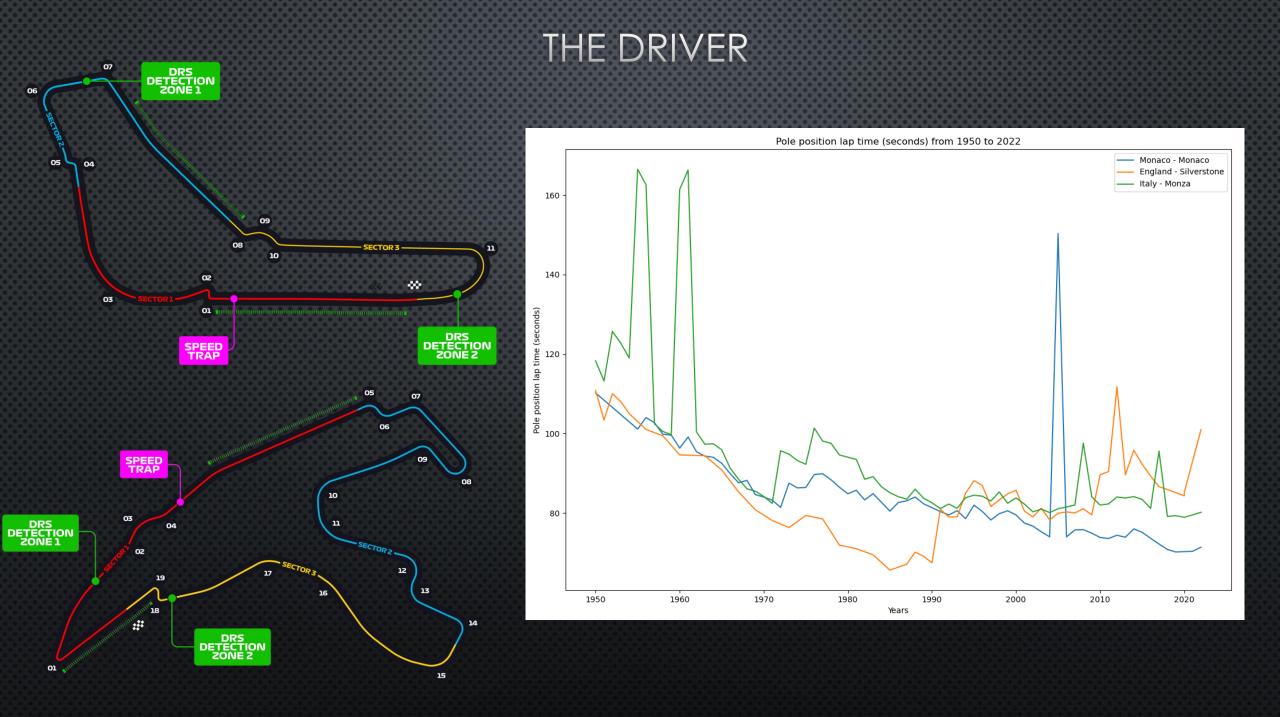
2020 Lewis Hamilton

2013 sebastian vettel

Red Bull RB18 2022 Max Verstappen

https://www.motorsportretro.com/2014/03/f1-champion-cars/







Replica of Fangio's helmet & goggles

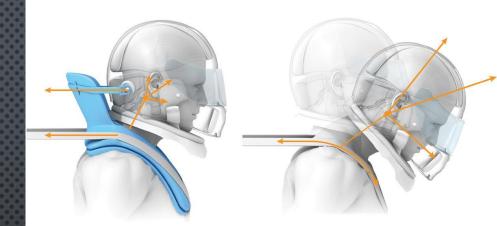


Fire and heat resistant balaclava and race suit

DRIVER EQUIPMENT



Headrest



Hans device



Massa's helmet in 2009



Biometric sensors in gloves

Helmet video: https://www.youtube.com/watch?v=8IVunFET-Ik

THE TRACKS – SAFETY BARRIERS

Wolfgang von Trips



Italian Grand Prix 1961



THE TRACKS – SAFETY BARRIERS



Armco Barrier (and Debris Fencing)



TECPRO Barrier

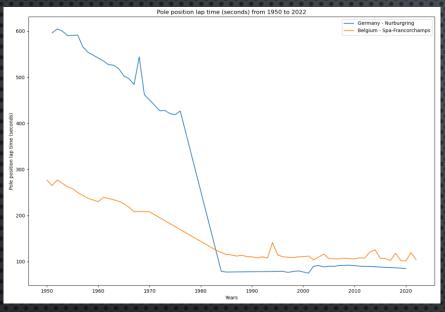
Tyre Barrier

Concrete Walls

 $F\Delta t = m\Delta v = \Delta p$

Crash barrier video: https://www.youtube.com/watch?v=FkpvPWB3jMk

THE TRACKS – LAYOUTS AND RUNOFF AREAS





Eau Rouge, Raidillion - Spa



Runoff Areas



Gravel Traps

Circuit Paul-Ricard -Asphalt runoffs

vodatone date





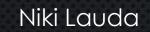
TRACK MARSHALS



Roger Williamson

David Purley

TRACK MARSHALS AND DRIVERS



Arturo Merzario, Brett Lunger, Guy Edwards and Harald Ertl

SAFETY CARS



THE PITLANE

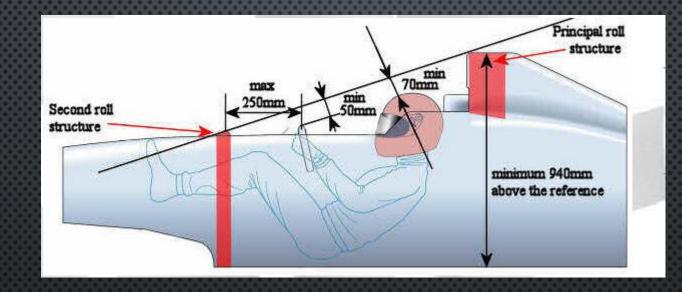


THE CAR – SURVIVAL CELL



Driver sitting positions

THE CAR – ROLL STRUCTURE



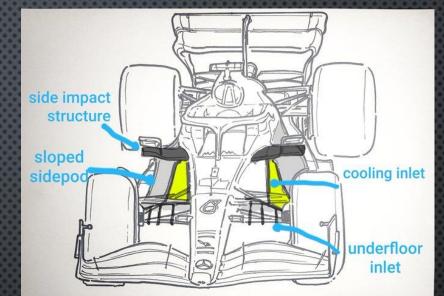
THE CAR – FRONT AND REAR IMPACT STRUCTURES



Car Impact Safety: https://www.youtube.com/watch?v=TVU1n82-Z_I

THE CAR – SIDE IMPACT STRUCTURES









Car Impact Safety: https://www.youtube.com/watch?v=TVU1n82-Z_I





