Hey Alexis, thank you for your insight into distributed data centers and their working. I agree with you that a distributed database has many advantages and would be a good pick for larger organizations. One question is do you think that the pros outweigh the cons of utilizing a distributed database? While a distributed database has multiple access points, and localized database has one access point and therefore a centralized point of failure. If some type of data replication or redundancy system were not in place, an attack on a centralized data facility could be catastrophic.

I think your examples of various interactive application response times shed light on an area that I previously had not considered, namely vehicle response times. In the event of a collision, what should the vehicle response time be for airbags to deploy and safety measure to enact? Most car-to-car collisions last for 70 to 150 milliseconds (Kodsi, 2021). This is a shockingly fast amount of time, yet an airbag deploys within 55 milliseconds.