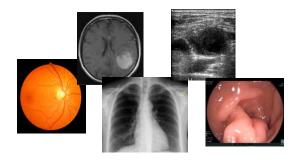


State of Machine Learning today

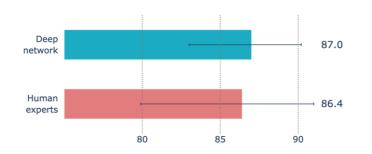


>50 cities pilot driverless cars





Medical imaging diagnostics





Language models accelerate coding



Machine learning is still not trustworthy...







The New York Times

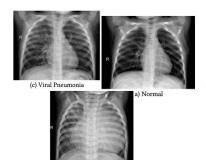
Self-driving Waymo car kills dog amid increasing concern over robotaxis

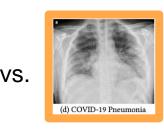
Driverless Car Gets Stuck in Wet Concrete in San Francisco

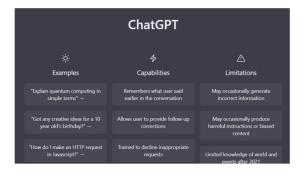
Collision occurred as canine ran out from behind another car, but autonomous vehicle could not stop in time to avoid contact

Though driverless cars have not been blamed for any serious injuries or crashes in the city, they have been involved in several jarring episodes.

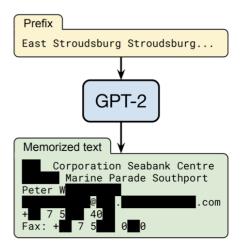






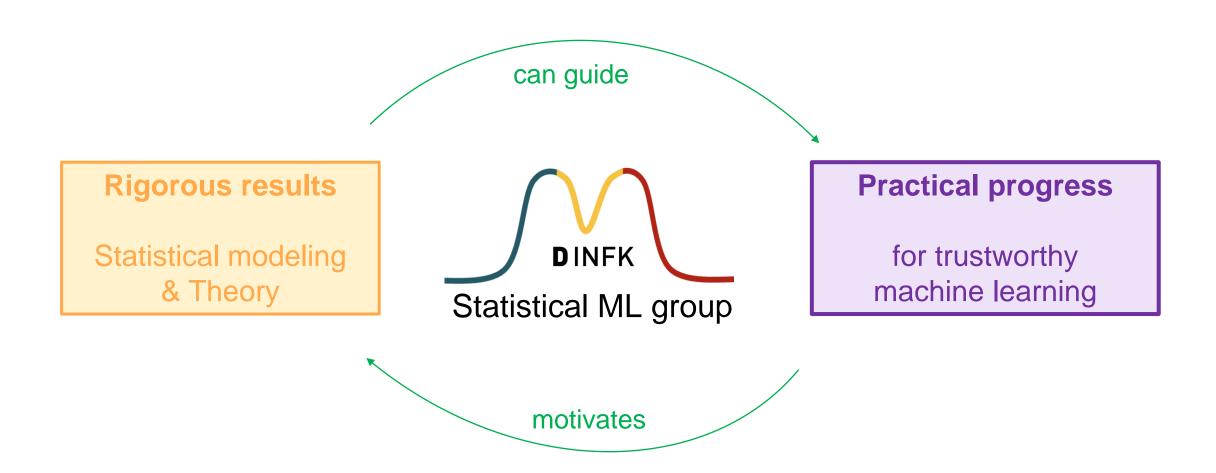


Privacy





SML group: Trustworthiness grounded in theory





Two problems of trustworthiness

Developers use and access





Users can use and access



Problem I: Reliability

Did algorithm have enough information to predict new





Problem II: Privacy

What's the X-ray

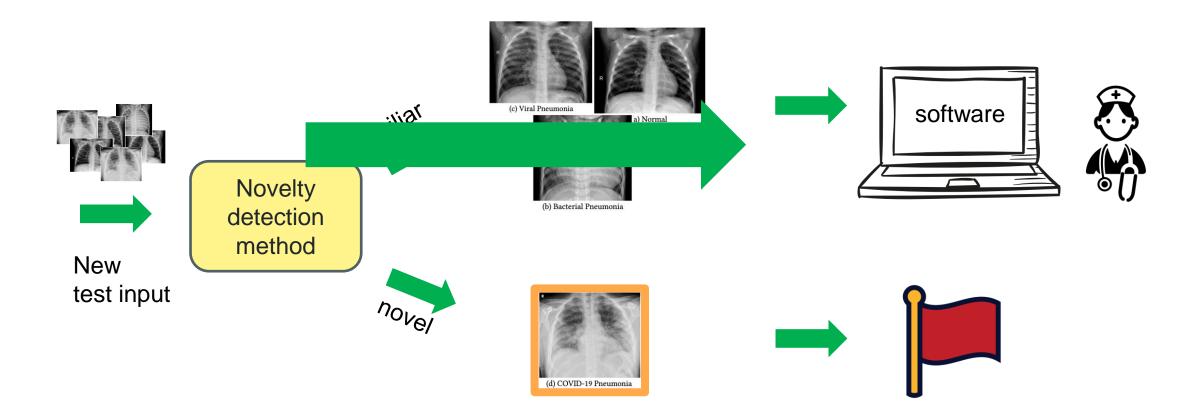
patient Z in the training data?



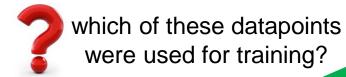


Problem I: Novelty detection

Novelty detection method detects when software doesn't "know enough" about new point

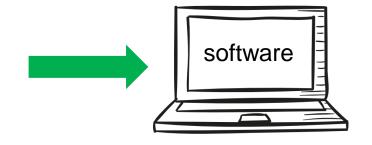


Problem II: Privacy











Problem II: Privacy

