Applications affected by loss of plasticity

- Continual learning is starting to be used in applications
 - Matching riders and drivers on Lyft (Azagirre et al. 2023) (linear learning with 1000s of features)
 - Water treatment plants (RL Core)
- · And there are many applications that require continual adaptation and deep continual learning has big potential
 - Forecasting in highly complicated domains like stock markets or weather
 - Control systems in factories (due to regular wear and tear)
 - Learning (ever-changing) human preferences
 - Multi-agent systems
 - LLMs (new text on internet, live human feedback, text generated during inference)
 - · On device learning (ex. prosthetics, robots, deep space exploration)
 - · Electric grids in the future (with constantly changing power inputs like personal solar panels)