From other domains

- Pre-training fine tuning
- Learn representations then fine tune
- Domain shift: learn in source not good on target (visually)
- Difference in MDP: some things are impossible in target
- Fine tuning: exploration needed - but ended up with deterministic problem
- Irrelevance assumption

Meta RL

- How we can use experience from some source domain to get into a position, where we can solve more efficiently or effectively new downstream tasks?
- Prior understanding of problem structure can help us to solve problems quickly
- Transfer what we know about the world to new MPD
- Solve prior tasks - acquire knowledge for solving a new task
- How can this knowledge be represented?
  - ➡ Q-Function
  - ➡ Policy
  - ➡ Models
  - ➡ Features
- Transfer learning: Using experience from one set of tasks for faster learning and better performance on a new task
- From source domain to target domain