

Some terms

- learning lifelong learning/continual learning - doing well on both source and target, Backward transfer - after training on target still good on source?
- Shots
- Forward transfer: learn policies that transfer effectively
 - ➔ Train on source than run on target or fine tune
 - ➔ Relies on task to be quite similar
- Multi tasks transfer: train on many tasks transfer to one task:
 - ➔ Sharing representations and layers across tasks
 - ➔ Relies on tasks to be similar to distribution of training tasks
- Meta learning: learn to learn on many tasks
 - ➔ Logical extensions, special way which is aware of being used on new domain afterwards
 - ➔ Not really great solution on specific tasks, but good solution afterwards

Function approximation (FA):