

**Lecture 8**

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**Static (Tensorflow) vs Dynamic (PyTorch) Graphs**

- With static graphs frameworks can optimize the graph for you with fused operations.
- In static, can save the graph and serialize it and run without the code whereas in dynamic, graph building and execution are intertwined, so always need to keep the code.
- Conditional operations easier in dynamic than in static since we need to put the conditional statement in the graph itself.
- In dynamic graphs, recurrence relationships are easier to implement than static graphs.
- PyTorch - Research Work, Tensorflow - Research + Production work