

TensorFlow

Курс "Практическое применение по TensorFlow" Шигапова Фирюза Зинатуллаевна 1-й семестр, 2019 г.

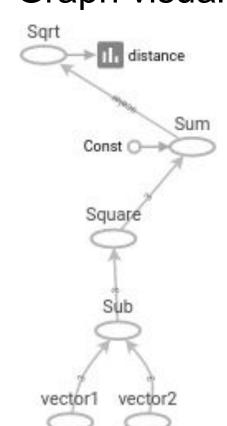
Tensorboard. Graph for previous program (distance)

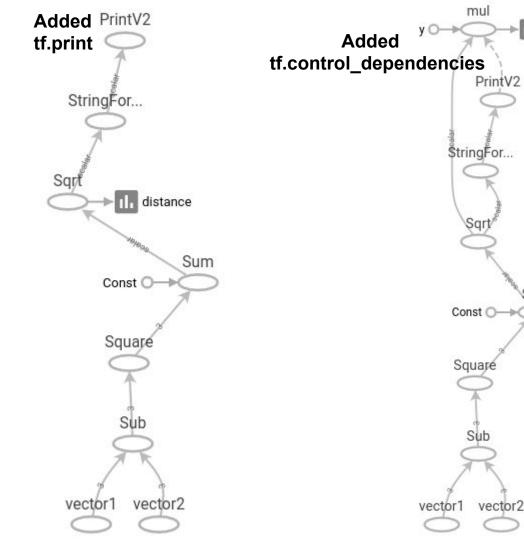
```
pip install tensorboard
pip show tensorboard
```

Add to code:

Run in terminal: tensorboard --logdir=./logs

Graph visualization

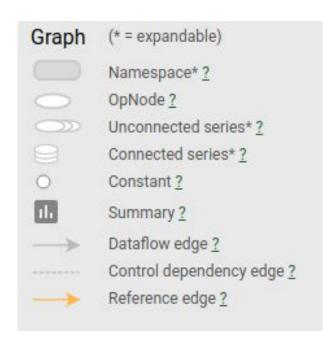




II. distance

Sum

Graph's notations



Importants

- 1. Define explicitly created graph **as_default()** for avoiding conflicts during multithreading, ambiguity (to which graph do operations belong?). But after closing explicitly created graph context, the default graph is the graph that is created in program by default ALWAYS by TensorFlow.
- 2. When session is running TensorFlow **analyze** and **build** graph and **evaluate only** needed operations that have to be evaluated for getting result for operations that were passed to *session.run*.
- Only operations created within control_dependencies context will be really added as control dependency.