tf.contrib.learn.learn_runner.tune

```
tune(
    experiment_fn,
    tuner
)
```

Defined in **tensorflow/contrib/learn/python/learn/learn_runner.py** .

Tune an experiment with hyper-parameters.

It iterates trials by running the Experiment for each trial with the corresponding hyper-parameters. For each trial, it retrieves the hyper-parameters from **tuner** , creates an Experiment by calling experiment_fn, and then reports the measure back to **tuner** .

Example:

```
def _create_my_experiment(run_config, hparams):
  hidden_units = [hparams.unit_per_layer] * hparams.num_hidden_layers

  return tf.contrib.learn.Experiment(
      estimator=DNNClassifier(config=run_config, hidden_units=hidden_units),
      train_input_fn=my_train_input,
      eval_input_fn=my_eval_input)

tuner = create_tuner(study_configuration, objective_key)

learn_runner.tune(experiment_fn=_create_my_experiment, tuner)
```

Args:

- **experiment_fn** : A function that creates an **Experiment** . It should accept an argument **run_config** which should be used to create the **Estimator** (passed as **config** to its constructor), and an argument **hparams** , which should be used for hyper-parameters tuning. It must return an **Experiment** .
- **tuner** : A **Tuner** instance.

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