

- **Making new layers and models via Subclassing(A Complete Program)**
- **setup**
- **The Layer class: the combination of state (weights) and some computation(Program)**
- **Layers can have non-trainable weights (Programmatic demonstration)**
- **Best practice: deferring weight creation until the shape of the inputs is known (Demonstration)**
- **Layers are recursively composable(Programmatic demonstration)**
- **The add_loss() method • The add_metric() method.**
- **You can optionally enable serialization on your layers**
- **Privileged training argument in the call() method**
- **Privileged mask argument in the call() method**
- **Putting all Concepts together with an end to end Program Example**