OpenDss tutorial Writing:

Installation and getting started:

How to install OpenDSS, Anaconda with python, install opendssdirectly module in a babysitter manner. Plus suggested useful resources

T1: simple circuit

How to construct simple circuit (i.e. basic command) and modify/add/remove loads in OpenDSS, export parameter and result using opendss direct

T2: PV system

Explain parameters for a PV system, simple inverter mode according to virtual training day 3

T3: changing parameter on 2\_bus system

Using some two-bus (Aus overhard) example from Fred, to illustrate how to set up for-loop in Jupyter, to study the cost and effect of changing a parameter of loads to network.

T4: Time series simulation

1. How to define loadshape
2. Introduce loadshape to the two-bus example from Fred

T5: Time series simulation with real data (Time permitted)

1. Using load and PV generation profile from Ausgrid 300 solar home data for simulation

* Csv data to text file
* Master script and child script (inside redirect)

#dont overuse run\_command

#explain cost and effect of T3, T4