

User runs:
`measure_crossover_real.py`

Load IoT Data

Check
data files

`iot_readings_1_month.json`

`iot_readings_1_week.json`

`iot_readings_1_day.json`

Data loaded
successfully

For each reading
count N

Standard SNARKs

Standard
SNARK Path

`snark_manager.py`

`SNARKManager.generate_proof`

`ff: crossover_results.json`

ZoKrates CLI:
compile, setup, witness,
prove, verify

Nova SNARKs

Nova
SNARK Path

`iot_recursive.zok`

Prepare Nova
workspace

`crossover_summary.csv`

ZoKrates CLI:
nova compress

ZoKrates CLI:
nova verify

Collect metrics:
time, size

Save results

`plot_crossover_json.py`

`real_*.png`
plots