

I. Metrics Aggregation

Aggregation over time range $[t_k - \theta \Delta t, t_k)$ for client n

- a) DL-SINR, -MAC-throughput
- b) DL-RSRP
- c) Past segments' throughput
- d) Client buffer occupancy
- e) Past segments information
- f) Client velocity
- g) Client-gNBs distances

II. Prediction Model

a) NSEG predictor

b) MODE predictor

c) GNB predictor

III. Prediction $P_{n,k}$

Values for client n in time range $[t_k, t_{k+1})$

$N_{n,k}$ No. segments requested

$Q_{n,k}$ Segment quality mode

$B_{n,k}$ gNB association

