

A

Level 11

Uniform Random

Sampling rate = 0.001

B

Level 11

Uniform Random

Sampling rate = 0.01

C

Level 11

Whole dataset

Cities

$C_2$

$C_1$

D

$D_1$

Level 11

VQGTS<sup>+</sup> ( $\delta=64$ )

Sampling rate = 0.001

E

$E_1$

Level 11

VQGTS<sup>+</sup> ( $\delta=64$ )

Sampling rate = 0.01

F

$F_1$

Level 11

VQGTS<sup>+</sup> ( $\delta=64$ , CE)

Sampling rate = 0.01

$F_2$

G

Level 15

Whole dataset

H

Level 15

Uniform Random

Sampling rate = 0.01

I

Level 15

VQGTS<sup>+</sup> ( $\delta=64$ , CE)

Sampling rate = 0.01