MICRO DATA PROCESSING & QUALITY

Rabat, Morocco

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Creative . Innovative . Value

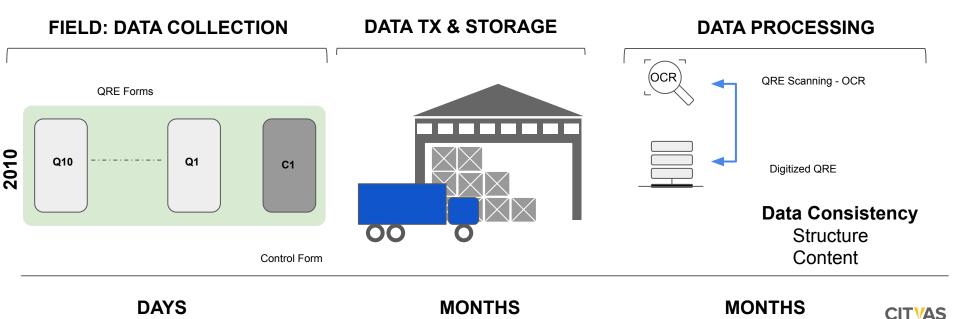
ROUND OF 2020

CENSUS

- Enumeration
- **Data Transfer**
- Storage and Processing

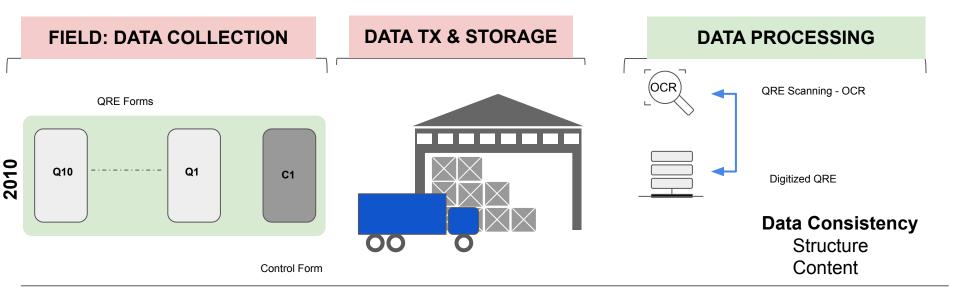
Pre- 2020 round

Technology



Pre- 2020 round

Technology

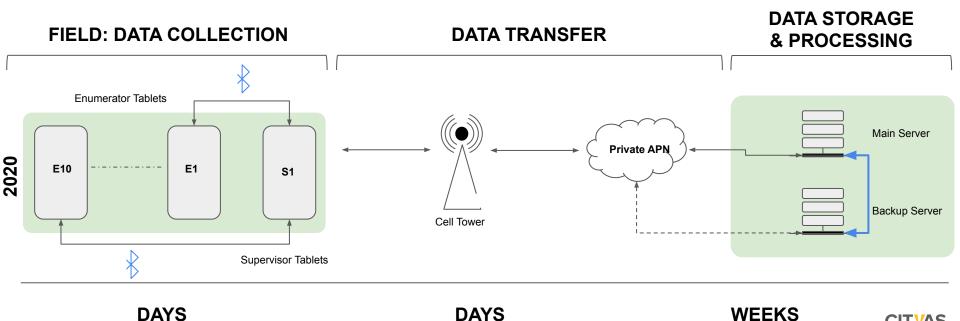


DAYS MONTHS MONTHS

CITVAS

What's Different this time?

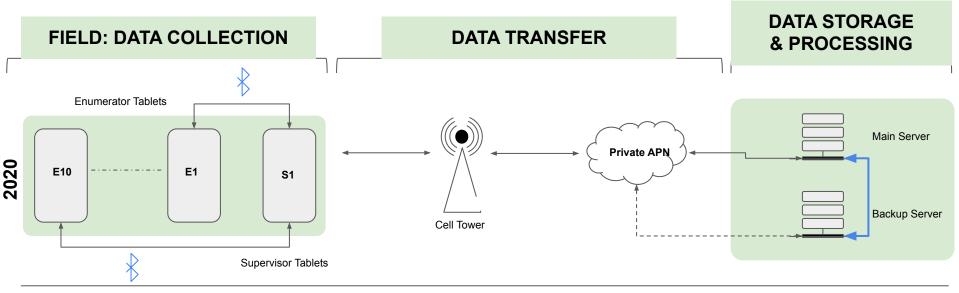
Technology



CITVAS

What's Different this time?

Technology



DAYS

DAYS

WEEKS

CITVAS

CONTENT

Quality Control

Computer Assisted Personal Interviewer (CAPI)

Built in consistency checks and skip patterns

Faster data turnaround time Identify and resolve irregularities in the field

COVERAGE

Post Enumeration Survey



COVERAGE & CONTENT

REAL-TIME Monitoring [aiding enumeration Operations]

Enumerated vs Listed/projected

Enumeration at Different geographies

Average Interview time

GIS - mapping (center of population by geography)

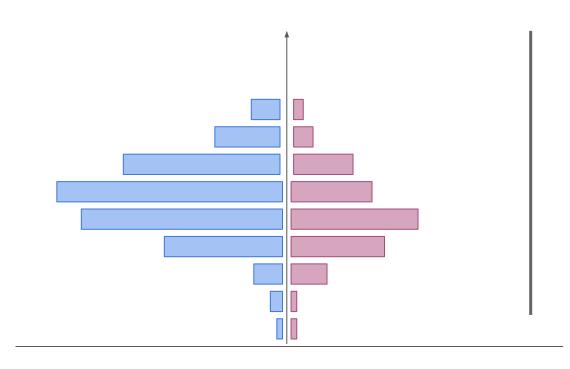
Population Pyramid (for different geographies)

Sex Ratio

Age reporting (heaping, digit preferences)

UN Joint Score

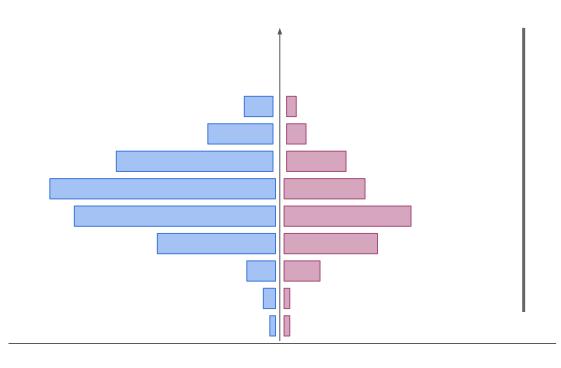
Cohort Analysis



Early Census Morning

Strange Pop. Pyramid

- More men than women
- Very low # of children



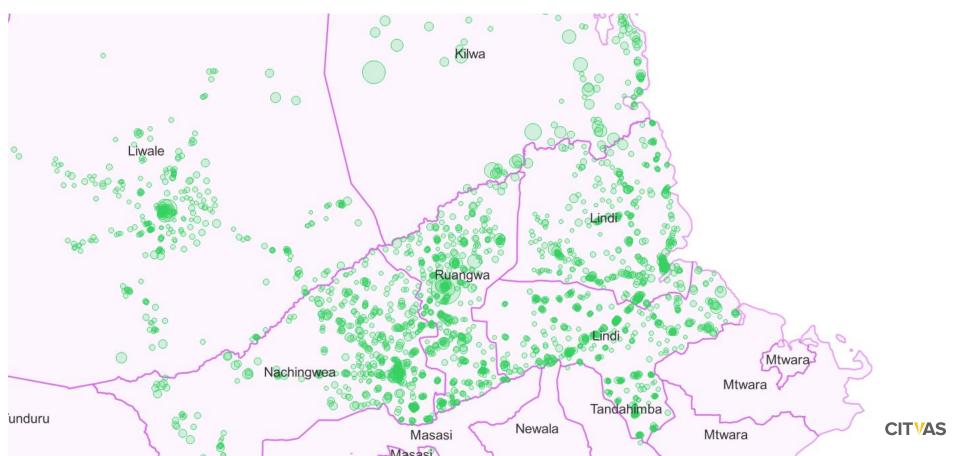
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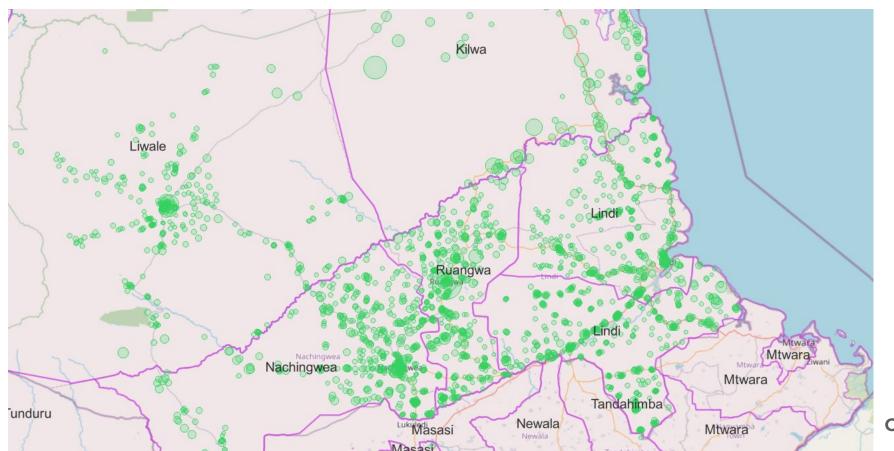
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Travellers, 'Early risers'

Centers of population at different geographies

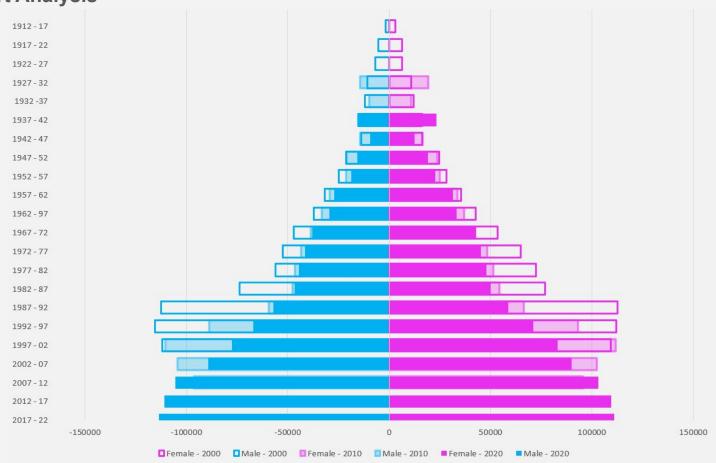


Centers of population at different geographies





Cohort Analysis

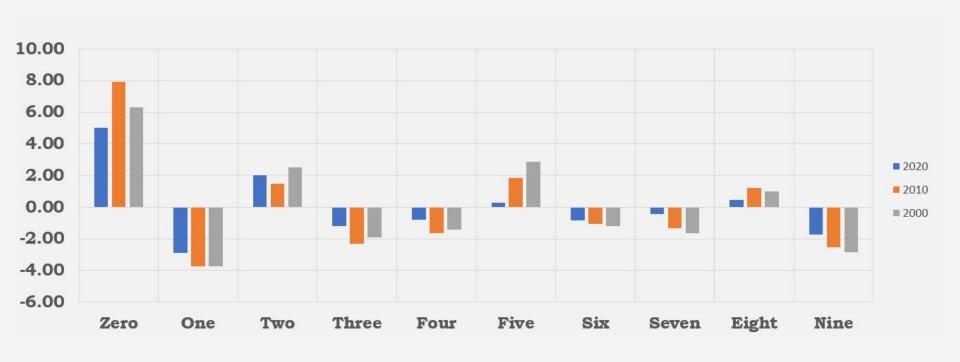


DATA QUALITY
UN Joint Score



DATA QUALITY

Digit Preference



Content quality

Real-time Data availability - Make operational decisions
Reduced exposure to error-prone processes
On-device inconsistency checks etc
No more scanning

Coverage

Listing/projections vs Enumeration (Real-time monitoring)
Post Enumeration Surveys to establish coverage
Comparison with civil registries



DATA PROCESSING

POST-ENUMERATION PROCESSING

Edit Specifications (Ref: UN Census Editing Manual) Edits (in a software package of your choice)

DATA PROCESSING

Example



Questions



