

STATISTICAL ANALYSIS PIPELINE ADMIXTURE DATA FROM A HUMAN POPULATION SETTLEMENT MODEL

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A satellite map of the world showing ice coverage around 100,000 years ago. The map is dominated by dark blue oceans, with large areas of white and light green representing ice sheets and landmasses. The ice sheets are most prominent in the Northern Hemisphere, covering most of North America, Europe, and Asia. Some green land is visible through the ice in the Arctic and Antarctic regions.

AROUND 100,000 YEARS AGO



AROUND 45,000 YEARS AGO



AROUND 12,000 YEARS AGO



AROUND 4,500 YEARS AGO

CONTEXT

MODEL

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Measures and comparisons

- Observed data

- Comparison functions

- Mean Square Distance

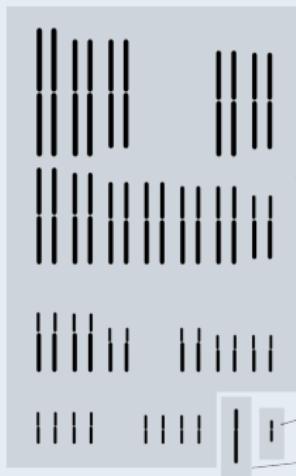
- Partial Mantel Correlation

Pipeline

Statistical analysis

MEASURES & COMPARISONS

OBSERVED DATA



Autosome
25 markers

Mitochondria
1 marker

Y Chromosome
1 marker

X Chromosome
25 markers

Different parts of the DNA
52 markers in total

MEASURES & COMPARISONS

COMPARISON FUNCTIONS

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OVERVIEW

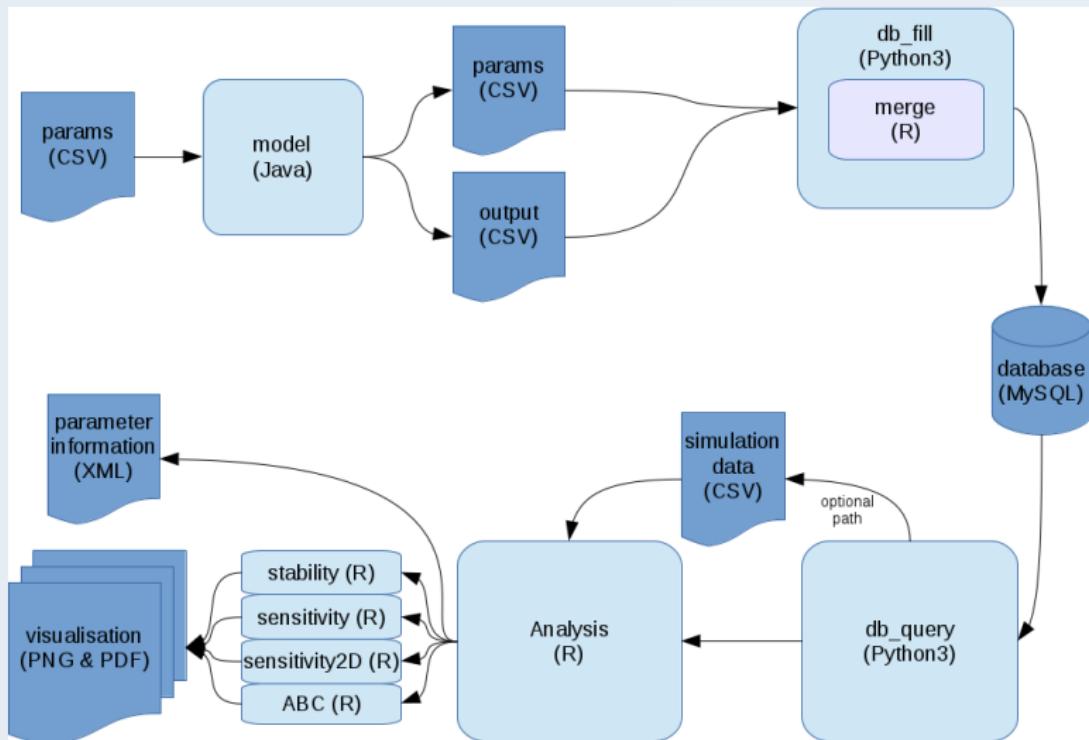


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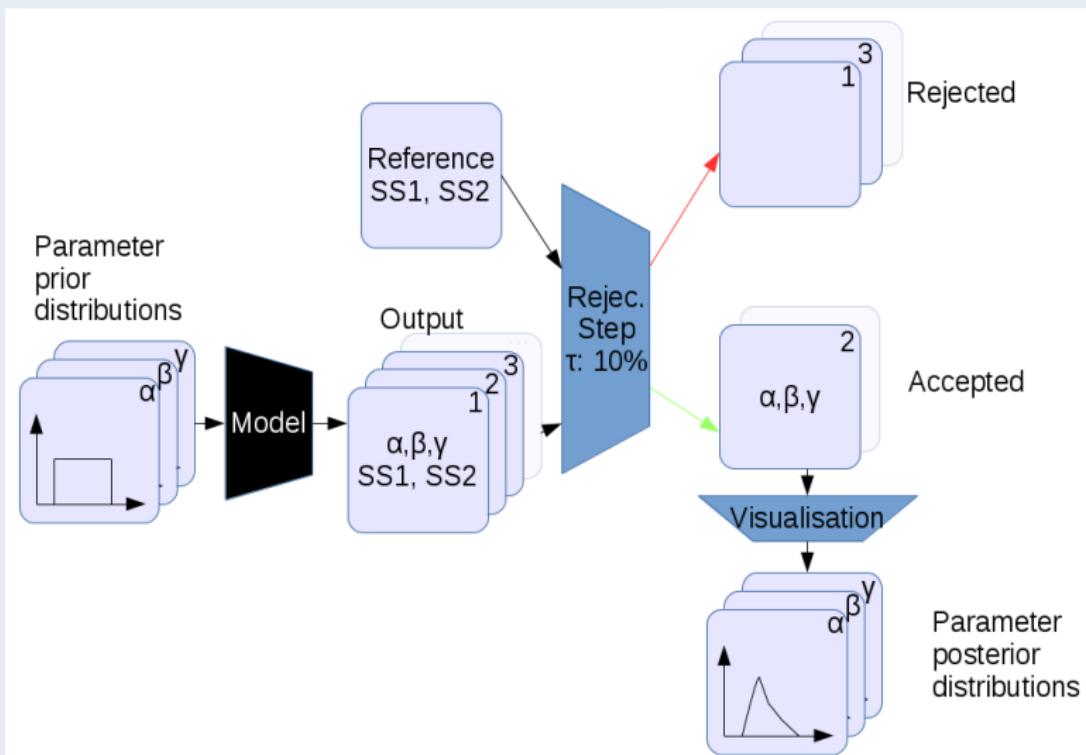
Approximate Bayesian Computation

STATISTICAL ANALYSIS

GRID SEARCH

STATISTICAL ANALYSIS

ABC



THANK YOU

Context

Measures and comparisons

Any question?

Pipeline

Statistical analysis



Appendix

