

Statistical Test Result #192 — Analysis Report

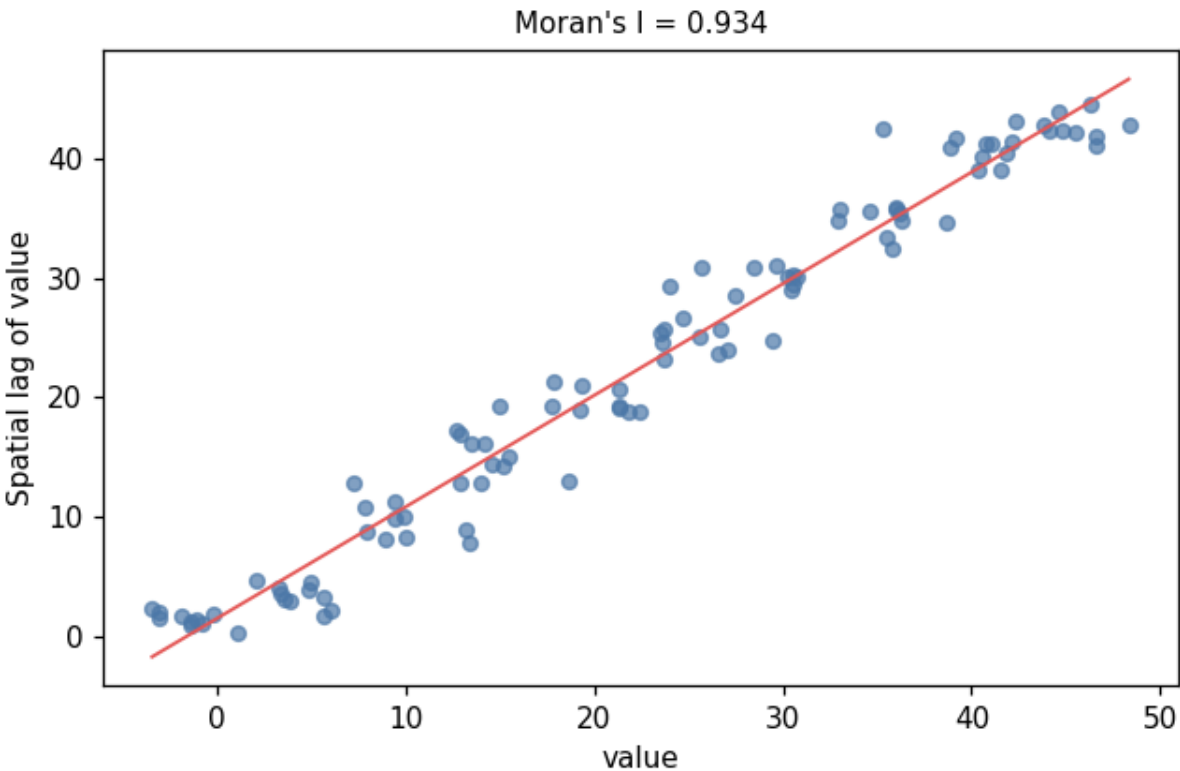
Generated 2026-09-21 02:38:49 · 1 run(s) · CAT-G Data Analyzer

1. morans i (#192)

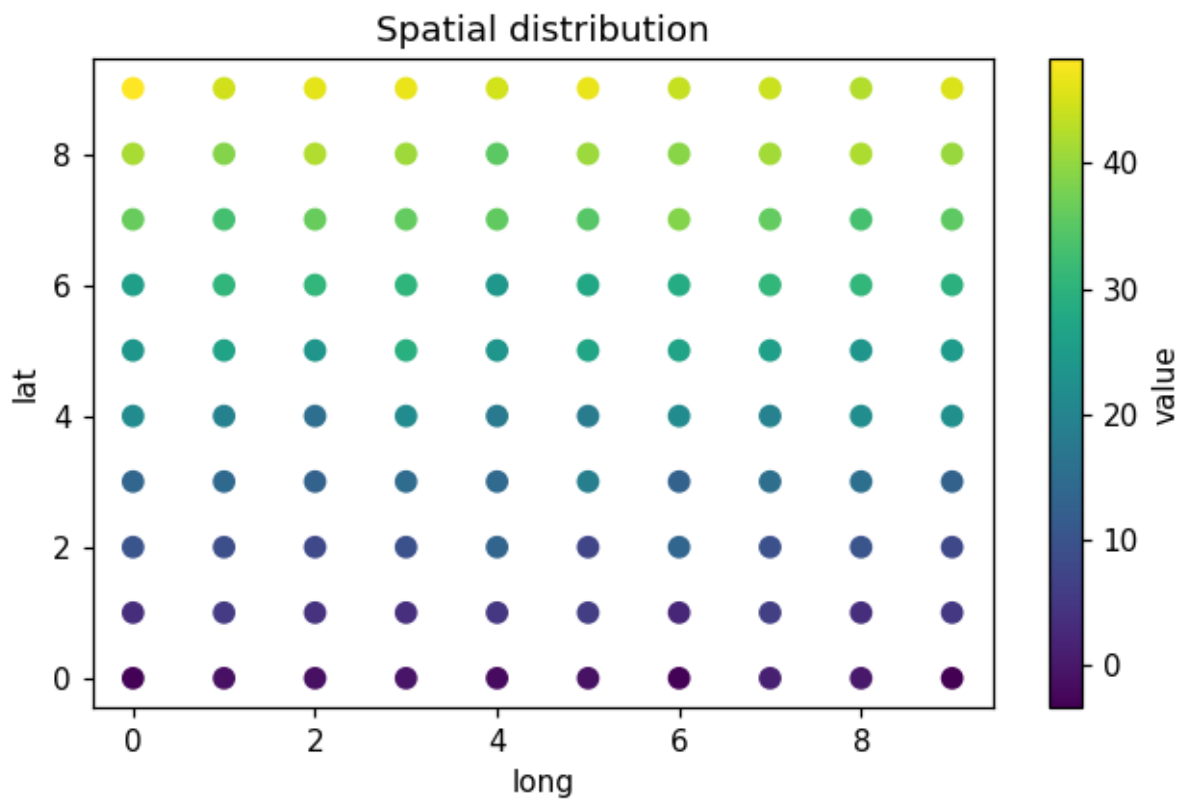
2026-09-21 02:17:40 · statistical_test · status: completed

The morans i on value was statistically significant ($p = 0.001$).

i_statistic	0.93426
expected_i	-0.010101
p_value	0.001
n	100
n_perm	999
k	4
interpretation	Significant positive spatial autocorrelation: similar values cluster together.
lat_col	lat
long_col	long
value_col	value



moran scatter



moran map

Method & Provenance

method	Moran's I spatial autocorrelation
engine	Python · scipy 1.17.1
datasets	gallery — example_spatial.csv
started	2026-09-21 02:17:40.060293
permanent link	https://cat-g-omxpert.wishartlab.com/results/by-token/66614358074645c98395b216a49

Parameter	Value
test_type	morans_i
value_col	value
lat_col	lat
long_col	long
n_perm	999

Command history

```
# python
# app.services.spatial_service.morans_i (distance-decay weights)

# python
I, p = morans_i(values, latitudes, longitudes)
```