

approximate_bayesian_computation

Parameters

cm_name: abc_10
dataframe_in: data_missing_10
description: Approximate Bayesian Computation for Time Series
diff_func_name: manhattan_metrics
diff_func_parameters: {}
model_method: approximate_bayesian_computation
name: approximate_bayesian_computation
parameters:
 algorithm: pydream
 decision_variables:
 - Manufacturing_Time
 epsilons:
 - 1
 n_chains: 3
 n_draws: 20000
 n_iterations: 100
 nfe: 15000
 objectives:
 - Manufacturer
 - Export_Port
 - Transit_Port
 - Import_Port
 - Wholesales_Distributor
 - Retailer_Amsterdam
 - Retailer_Utrecht
 - Retailer_Venlo
 population_size: 100
 ranges_variables:
 - - 1
 - 10
 seed: 15
report_parameters: {}
running_time: 436644.88657045364
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with solutions:

| | Manufacturing_Time | Distance |
|-------|--------------------|-----------|
| 0 | 2.207126 | 5.261984 |
| 1 | 2.207126 | 5.261984 |
| 2 | 2.207126 | 5.261984 |
| 3 | 2.207126 | 5.261984 |
| 4 | 2.207126 | 5.261984 |
| ... | ... | ... |
| 16013 | 2.207126 | 5.261987 |
| 16014 | 2.207126 | 5.261987 |
| 16015 | 1.587817 | 15.063611 |

| | | |
|-------|----------|-----------|
| 16016 | 1.000000 | 14.060348 |
| 16017 | 8.639359 | 18.641108 |

[16018 rows x 2 columns]

with the most optimal solution:

| | Manufacturing_Time | Distance |
|------|--------------------|----------|
| 0 | 2.207126 | 5.261984 |
| 1 | 2.207126 | 5.261984 |
| 2 | 2.207126 | 5.261984 |
| 3 | 2.207126 | 5.261984 |
| 4 | 2.207126 | 5.261984 |
| ... | ... | ... |
| 8279 | 2.207126 | 5.261984 |
| 8280 | 2.207126 | 5.261984 |
| 8281 | 2.207126 | 5.261984 |
| 8282 | 2.207126 | 5.261984 |
| 8283 | 2.207126 | 5.261984 |

[8284 rows x 2 columns]

with an acceptance percentage of 26.69034398812799%

approximate_bayesian_computation

Parameters

cm_name: abc_25
dataframe_in: data_missing_25
description: Approximate Bayesian Computation for Time Series
diff_func_name: manhattan_metrics
diff_func_parameters: {}
model_method: approximate_bayesian_computation
name: approximate_bayesian_computation
parameters:
 algorithm: pydream
 decision_variables:
 - Manufacturing_Time
 epsilons:
 - 1
 n_chains: 3
 n_draws: 20000
 n_iterations: 100
 nfe: 15000
 objectives:
 - Manufacturer
 - Export_Port
 - Transit_Port
 - Import_Port
 - Wholesales_Distributor
 - Retailer_Amsterdam
 - Retailer_Utrecht
 - Retailer_Venlo
 population_size: 100
 ranges_variables:
 - - 1
 - 10
 seed: 15
report_parameters: {}
running_time: 438038.6985640526
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with solutions:

| | Manufacturing_Time | Distance |
|-------|--------------------|----------|
| 0 | 2.207126 | 8.321504 |
| 1 | 2.207126 | 8.321504 |
| 2 | 2.207126 | 8.321504 |
| 3 | 2.207126 | 8.321504 |
| 4 | 2.207126 | 8.321504 |
| ... | ... | ... |
| 10335 | 2.207126 | 8.321504 |
| 10336 | 2.207126 | 8.321504 |
| 10337 | 2.207126 | 8.321504 |

| | | |
|-------|----------|-----------|
| 10338 | 1.587817 | 15.615816 |
| 10339 | 1.000000 | 13.795959 |

[10340 rows x 2 columns]
with the most optimal solution:
Manufacturing_Time Distance

| | | |
|-------|----------|----------|
| 0 | 2.207126 | 8.321504 |
| 1 | 2.207126 | 8.321504 |
| 2 | 2.207126 | 8.321504 |
| 3 | 2.207126 | 8.321504 |
| 4 | 2.207126 | 8.321504 |
| ... | ... | ... |
| 10333 | 2.207126 | 8.321504 |
| 10334 | 2.207126 | 8.321504 |
| 10335 | 2.207126 | 8.321504 |
| 10336 | 2.207126 | 8.321504 |
| 10337 | 2.207126 | 8.321504 |

[10338 rows x 2 columns]
with an acceptance percentage of 17.239424407650105%

approximate_bayesian_computation

Parameters

cm_name: abc_50
dataframe_in: data_missing_50
description: Approximate Bayesian Computation for Time Series
diff_func_name: manhattan_metrics
diff_func_parameters: {}
model_method: approximate_bayesian_computation
name: approximate_bayesian_computation
parameters:
 algorithm: pydream
 decision_variables:
 - Manufacturing_Time
 epsilons:
 - 1
 n_chains: 3
 n_draws: 20000
 n_iterations: 100
 nfe: 15000
 objectives:
 - Manufacturer
 - Export_Port
 - Transit_Port
 - Import_Port
 - Wholesales_Distributor
 - Retailer_Amsterdam
 - Retailer_Utrecht
 - Retailer_Venlo
 population_size: 100
 ranges_variables:
 - - 1
 - 10
 seed: 15
report_parameters: {}
running_time: 423503.6036827564
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with solutions:

| | Manufacturing_Time | Distance |
|------|--------------------|-----------|
| 0 | 2.207126 | 10.071224 |
| 1 | 2.207126 | 10.071224 |
| 2 | 2.207126 | 10.071224 |
| 3 | 2.207126 | 10.071224 |
| 4 | 2.207126 | 10.071224 |
| ... | ... | ... |
| 1467 | 3.410099 | 11.763861 |
| 1468 | 3.410099 | 11.763861 |
| 1469 | 3.410099 | 11.763861 |

| | | |
|------|----------|-----------|
| 1470 | 3.410099 | 11.763861 |
| 1471 | 3.410099 | 11.763861 |

[1472 rows x 2 columns]
with the most optimal solution:
Manufacturing_Time Distance

| | | |
|-----|---------|----------|
| 0 | 2.52404 | 9.879885 |
| 1 | 2.52404 | 9.879885 |
| 2 | 2.52404 | 9.879885 |
| 3 | 2.52404 | 9.879885 |
| 4 | 2.52404 | 9.879885 |
| .. | ... | ... |
| 535 | 2.52404 | 9.879885 |
| 536 | 2.52404 | 9.879885 |
| 537 | 2.52404 | 9.879885 |
| 538 | 2.52404 | 9.879885 |
| 539 | 2.52404 | 9.879885 |

[540 rows x 2 columns]
with an acceptance percentage of 2.4577726643656312%

approximate_bayesian_computation

Parameters

cm_name: abc_75
dataframe_in: data_missing_75
description: Approximate Bayesian Computation for Time Series
diff_func_name: manhattan_metrics
diff_func_parameters: {}
model_method: approximate_bayesian_computation
name: approximate_bayesian_computation
parameters:
 algorithm: pydream
 decision_variables:
 - Manufacturing_Time
 epsilons:
 - 1
 n_chains: 3
 n_draws: 20000
 n_iterations: 100
 nfe: 15000
 objectives:
 - Manufacturer
 - Export_Port
 - Transit_Port
 - Import_Port
 - Wholesales_Distributor
 - Retailer_Amsterdam
 - Retailer_Utrecht
 - Retailer_Venlo
 population_size: 100
 ranges_variables:
 - - 1
 - 10
 seed: 15
report_parameters: {}
running_time: 436610.6191341877
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with solutions:

| | Manufacturing_Time | Distance |
|------|--------------------|-----------|
| 0 | 1.587817 | 20.224401 |
| 1 | 1.000000 | 18.990823 |
| 2 | 2.207126 | 11.958857 |
| 3 | 2.207126 | 11.958857 |
| 4 | 2.207126 | 11.958857 |
| ... | ... | ... |
| 9224 | 2.207074 | 12.709251 |
| 9225 | 2.207074 | 12.709251 |
| 9226 | 2.207074 | 12.709251 |

| | | |
|------|----------|-----------|
| 9227 | 2.207074 | 12.709251 |
| 9228 | 2.207074 | 12.709251 |

[9229 rows x 2 columns]
with the most optimal solution:
 Manufacturing_Time Distance

| | | |
|------|----------|-----------|
| 0 | 2.207126 | 11.958857 |
| 1 | 2.207126 | 11.958857 |
| 2 | 2.207126 | 11.958857 |
| 3 | 2.207126 | 11.958857 |
| 4 | 2.207126 | 11.958857 |
| ... | ... | ... |
| 1586 | 2.207126 | 11.958857 |
| 1587 | 2.207126 | 11.958857 |
| 1588 | 2.207126 | 11.958857 |
| 1589 | 2.207126 | 11.958857 |
| 1590 | 2.207126 | 11.958857 |

[1591 rows x 2 columns]
with an acceptance percentage of 15.386924115852132%

approximate_bayesian_computation

Parameters

cm_name: abc_90
dataframe_in: data_missing_90
description: Approximate Bayesian Computation for Time Series
diff_func_name: manhattan_metrics
diff_func_parameters: {}
model_method: approximate_bayesian_computation
name: approximate_bayesian_computation
parameters:
 algorithm: pydream
 decision_variables:
 - Manufacturing_Time
 epsilons:
 - 1
 n_chains: 3
 n_draws: 20000
 n_iterations: 100
 nfe: 15000
 objectives:
 - Manufacturer
 - Export_Port
 - Transit_Port
 - Import_Port
 - Wholesales_Distributor
 - Retailer_Amsterdam
 - Retailer_Utrecht
 - Retailer_Venlo
 population_size: 100
 ranges_variables:
 - - 1
 - 10
 seed: 15
report_parameters: {}
running_time: 420911.064068079
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with solutions:

| | Manufacturing_Time | Distance |
|------|--------------------|-----------|
| 0 | 1.587817 | 15.169491 |
| 1 | 2.583616 | 10.968097 |
| 2 | 3.579415 | 11.459173 |
| 3 | 3.579415 | 11.459173 |
| 4 | 3.579415 | 11.459173 |
| ... | ... | ... |
| 1109 | 3.579414 | 11.459169 |
| 1110 | 3.579414 | 11.459169 |
| 1111 | 3.579414 | 11.459169 |

| | | |
|------|----------|-----------|
| 1112 | 3.579414 | 11.459169 |
| 1113 | 3.579414 | 11.459169 |

[1114 rows x 2 columns]

with the most optimal solution:

| | Manufacturing_Time | Distance |
|----|--------------------|----------|
| 0 | 2.207126 | 8.026547 |
| 1 | 2.207126 | 8.026547 |
| 2 | 2.207126 | 8.026547 |
| 3 | 2.207126 | 8.026547 |
| 4 | 2.207126 | 8.026547 |
| .. | ... | ... |
| 92 | 2.207126 | 8.026547 |
| 93 | 2.207126 | 8.026547 |
| 94 | 2.207126 | 8.026547 |
| 95 | 2.207126 | 8.026547 |
| 96 | 2.207126 | 8.026547 |

[97 rows x 2 columns]

with an acceptance percentage of 1.9008553849232155%

genetic_algorithm

```

cm_name: ga_10
dataframe_in: data_missing_10
description: Genetic Algorithm for optimization of timeseries
diff_func_name: manhattan_metrics
diff_func_parameters: {}
model_method: genetic_algorithm
name: genetic_algorithm
parameters:
  algorithm: epsNSGAI1
  decision_variables:
    - Manufacturing_Time
  epsilons:
    - 1
  n_draws: 20000
  n_iterations: 100
  nfe: 15000
  objectives:
    - Manufacturer
    - Export_Port
    - Transit_Port
    - Import_Port
    - Wholesales_Distributor
    - Retailer_Amsterdam
    - Retailer_Utrecht
    - Retailer_Venlo
  population_size: 100
  ranges_variables:
    - - 1
    - 10
  seed: 15
report_parameters: {}
running_time: 352871.35243701935
type: calibrationmodel
version: 1.0.0

```

Results

Summary CalibrationModel with solutions

| Manufacturer | Export_Port | Transit_Port | Import_Port | Wholesales_Distributor |
|------------------------|----------------------|--------------------|-------------|------------------------|
| Manufacturer_Amsterdam | Manufacturer_Utrecht | Manufacturer_Venlo | | |
| 0 | 2.338268 | 1.902529 | 1.902529 | 1.902529 |
| 1.902529 | 1.902529 | | | |

[illegible]

genetic_algorithm

```

cm_name: ga_25
dataframe_in: data_missing_25
description: Genetic Algorithm for optimization of timeseries
diff_func_name: manhattan_metrics
diff_func_parameters: {}
model_method: genetic_algorithm
name: genetic_algorithm
parameters:
  algorithm: epsNSGAI1
  decision_variables:
    - Manufacturing_Time
  epsilons:
    - 1
  n_draws: 20000
  n_iterations: 100
  nfe: 15000
  objectives:
    - Manufacturer
    - Export_Port
    - Transit_Port
    - Import_Port
    - Wholesales_Distributor
    - Retailer_Amsterdam
    - Retailer_Utrecht
    - Retailer_Venlo
  population_size: 100
  ranges_variables:
    - - 1
    - 10
  seed: 15
report_parameters: {}
running_time: 358418.42778873444
type: calibrationmodel
version: 1.0.0

```

Results

Summary CalibrationModel with solutions

| | Manufacturing_Time | Manufacturer | Export_Port | Transit_Port | Import_Port | Wholesales_Distributor |
|--------------------|--------------------|------------------|----------------|--------------|-------------|------------------------|
| Retailer_Amsterdam | | Retailer_Utrecht | Retailer_Venlo | | | |
| 0 | 2.332391 | 2.781154 | 2.781154 | 2.781154 | 2.781154 | 2.781154 |
| 2.781154 | 2.781154 | | | | | |

[illegible]

genetic_algorithm

```

cm_name: ga_50
dataframe_in: data_missing_50
description: Genetic Algorithm for optimization of timeseries
diff_func_name: manhattan_metrics
diff_func_parameters: {}
model_method: genetic_algorithm
name: genetic_algorithm
parameters:
  algorithm: epsNSGAI1
  decision_variables:
    - Manufacturing_Time
  epsilons:
    - 1
  n_draws: 20000
  n_iterations: 100
  nfe: 15000
  objectives:
    - Manufacturer
    - Export_Port
    - Transit_Port
    - Import_Port
    - Wholesales_Distributor
    - Retailer_Amsterdam
    - Retailer_Utrecht
    - Retailer_Venlo
  population_size: 100
  ranges_variables:
    - - 1
    - 10
  seed: 15
report_parameters: {}
running_time: 350889.5555586815
type: calibrationmodel
version: 1.0.0

```

Results

Summary CalibrationModel with solutions

| | Manufacturing_Time | Manufacturer | Export_Port | Transit_Port | Import_Port | Wholesales_Distributor |
|--------------------|--------------------|------------------|----------------|--------------|-------------|------------------------|
| Retailer_Amsterdam | | Retailer_Utrecht | Retailer_Venlo | | | |
| 0 | 2.494188 | 5.520934 | 5.520934 | 5.520934 | 5.520934 | 5.520934 |
| 5.520934 | 5.520934 | | | | | |

[illegible]

genetic_algorithm

```

cm_name: ga_75
dataframe_in: data_missing_75
description: Genetic Algorithm for optimization of timeseries
diff_func_name: manhattan_metrics
diff_func_parameters: {}
model_method: genetic_algorithm
name: genetic_algorithm
parameters:
  algorithm: epsNSGAI1
  decision_variables:
    - Manufacturing_Time
  epsilons:
    - 1
  n_draws: 20000
  n_iterations: 100
  nfe: 15000
  objectives:
    - Manufacturer
    - Export_Port
    - Transit_Port
    - Import_Port
    - Wholesales_Distributor
    - Retailer_Amsterdam
    - Retailer_Utrecht
    - Retailer_Venlo
  population_size: 100
  ranges_variables:
    - - 1
    - 10
  seed: 15
report_parameters: {}
running_time: 358804.9327058792
type: calibrationmodel
version: 1.0.0

```

Results

Summary CalibrationModel with solutions

| | Manufacturing_Time | Manufacturer | Export_Port | Transit_Port | Import_Port | Wholesales_Distributor |
|--------------------|--------------------|------------------|----------------|--------------|-------------|------------------------|
| Retailer_Amsterdam | | Retailer_Utrecht | Retailer_Venlo | | | |
| 0 | 2.385826 | 5.665986 | 5.665986 | 5.665986 | 5.665986 | 5.665986 |
| 5.665986 | 5.665986 | | | | | |

[illegible]

Parameters

```

cm_name: ga_90
dataframe_in: data_missing_90
description: Genetic Algorithm for optimization of timeseries
diff_func_name: manhattan_metrics
diff_func_parameters: {}
model_method: genetic_algorithm
name: genetic_algorithm
parameters:
  algorithm: epsNSGAI1
  decision_variables:
    - Manufacturing_Time
  epsilons:
    - 1
  n_draws: 20000
  n_iterations: 100
  nfe: 15000
  objectives:
    - Manufacturer
    - Export_Port
    - Transit_Port
    - Import_Port
    - Wholesales_Distributor
    - Retailer_Amsterdam
    - Retailer_Utrecht
    - Retailer_Venlo
  population_size: 100
  ranges_variables:
    - - 1
    - 10
  seed: 15
report_parameters: {}
running_time: 366543.89335250854
type: calibrationmodel
version: 1.0.0

```

Results

Summary CalibrationModel with solutions

| Manufacturer | Export_Port | Transit_Port | Import_Port | Wholesales_Distributor |
|------------------------|----------------------|--------------------|-------------|------------------------|
| Manufacturer_Amsterdam | Manufacturer_Utrecht | Manufacturer_Venlo | | |
| 0 | 2.401177 | 3.9501 | 3.9501 | 3.9501 |
| 3.9501 | | | | |

[illegible]

powell_method

Parameters

cm_name: powell_10
dataframe_in: data_missing_10
description: Powell Method for optimization of timeseries with simulation
diff_func_name: manhattan_metrics
diff_func_parameters: {}
model_method: powell_method
name: powell_method
parameters:
 decision_variables:
 - Manufacturing_Time
 epsilons:
 - 1
 n_draws: 20000
 n_iterations: 100
 nfe: 1500
 objectives:
 - Manufacturer
 - Export_Port
 - Transit_Port
 - Import_Port
 - Wholesales_Distributor
 - Retailer_Amsterdam
 - Retailer_Utrecht
 - Retailer_Venlo
 population_size: 100
 ranges_variables:
 - - 1
 - - 10
 seed: 15
report_parameters: {}
running_time: 1269.1386380195618
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with most optimal solution:

| | Manufacturing_Time | Distance |
|---|--------------------|----------|
| 0 | 2.775864 | 3.455932 |

powell_method

Parameters

cm_name: powell_25
dataframe_in: data_missing_25
description: Powell Method for optimization of timeseries with simulation
diff_func_name: manhattan_metrics
diff_func_parameters: {}
model_method: powell_method
name: powell_method
parameters:
 decision_variables:
 - Manufacturing_Time
 epsilons:
 - 1
 n_draws: 20000
 n_iterations: 100
 nfe: 1500
 objectives:
 - Manufacturer
 - Export_Port
 - Transit_Port
 - Import_Port
 - Wholesales_Distributor
 - Retailer_Amsterdam
 - Retailer_Utrecht
 - Retailer_Venlo
 population_size: 100
 ranges_variables:
 - - 1
 - - 10
 seed: 15
report_parameters: {}
running_time: 1565.7468087673187
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with most optimal solution:

| | Manufacturing_Time | Distance |
|---|--------------------|----------|
| 0 | 3.122933 | 6.275668 |

powell_method

Parameters

cm_name: powell_50
dataframe_in: data_missing_50
description: Powell Method for optimization of timeseries with simulation
diff_func_name: manhattan_metrics
diff_func_parameters: {}
model_method: powell_method
name: powell_method
parameters:
 decision_variables:
 - Manufacturing_Time
 epsilons:
 - 1
 n_draws: 20000
 n_iterations: 100
 nfe: 1500
 objectives:
 - Manufacturer
 - Export_Port
 - Transit_Port
 - Import_Port
 - Wholesales_Distributor
 - Retailer_Amsterdam
 - Retailer_Utrecht
 - Retailer_Venlo
 population_size: 100
 ranges_variables:
 - - 1
 - - 10
 seed: 15
report_parameters: {}
running_time: 2916.0833785533905
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with most optimal solution:

| | Manufacturing_Time | Distance |
|---|--------------------|-----------|
| 0 | 6.562297 | 13.185535 |

powell_method

Parameters

cm_name: powell_75
dataframe_in: data_missing_75
description: Powell Method for optimization of timeseries with simulation
diff_func_name: manhattan_metrics
diff_func_parameters: {}
model_method: powell_method
name: powell_method
parameters:
 decision_variables:
 - Manufacturing_Time
 epsilons:
 - 1
 n_draws: 20000
 n_iterations: 100
 nfe: 1500
 objectives:
 - Manufacturer
 - Export_Port
 - Transit_Port
 - Import_Port
 - Wholesales_Distributor
 - Retailer_Amsterdam
 - Retailer_Utrecht
 - Retailer_Venlo
 population_size: 100
 ranges_variables:
 - - 1
 - - 10
 seed: 15
report_parameters: {}
running_time: 1258.9418935775757
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with most optimal solution:

| | Manufacturing_Time | Distance |
|---|--------------------|-----------|
| 0 | 1.501553 | 10.579172 |

powell_method

Parameters

cm_name: powell_90
dataframe_in: data_missing_90
description: Powell Method for optimization of timeseries with simulation
diff_func_name: manhattan_metrics
diff_func_parameters: {}
model_method: powell_method
name: powell_method
parameters:
 decision_variables:
 - Manufacturing_Time
 epsilons:
 - 1
 n_draws: 20000
 n_iterations: 100
 nfe: 1500
 objectives:
 - Manufacturer
 - Export_Port
 - Transit_Port
 - Import_Port
 - Wholesales_Distributor
 - Retailer_Amsterdam
 - Retailer_Utrecht
 - Retailer_Venlo
 population_size: 100
 ranges_variables:
 - - 1
 - - 10
 seed: 15
report_parameters: {}
running_time: 1232.0358135700226
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with most optimal solution:

| | Manufacturing_Time | Distance |
|---|--------------------|----------|
| 0 | 3.150171 | 6.62401 |

Summary

| Model Name | Model Method | Score | Difference Function | Dataframe | Duration | Solution Params |
|------------|----------------------------------|-------|---------------------|-----------------|----------------|--|
| powell_90 | powell_method | 0.93 | manhattan_metrics | data_missing_90 | 1232.036 sec | {'Manufacturing_Time': 3.1501705563312155} |
| powell_75 | powell_method | 0.89 | manhattan_metrics | data_missing_75 | 1258.942 sec | {'Manufacturing_Time': 1.501552810007571} |
| powell_50 | powell_method | 0.55 | manhattan_metrics | data_missing_50 | 2916.083 sec | {'Manufacturing_Time': 6.562296761970847} |
| powell_25 | powell_method | 0.93 | manhattan_metrics | data_missing_25 | 1565.747 sec | {'Manufacturing_Time': 3.122933072800546} |
| powell_10 | powell_method | 0.97 | manhattan_metrics | data_missing_10 | 1269.139 sec | {'Manufacturing_Time': 2.7758640386416404} |
| ga_90 | genetic_algorithm | 0.99 | manhattan_metrics | data_missing_90 | 366543.893 sec | {'Manufacturing_Time': 2.4011767739281877} |
| ga_75 | genetic_algorithm | 0.99 | manhattan_metrics | data_missing_75 | 358804.933 sec | {'Manufacturing_Time': 2.3858258146915396} |
| ga_50 | genetic_algorithm | 1.0 | manhattan_metrics | data_missing_50 | 350889.556 sec | {'Manufacturing_Time': 2.494188381377577} |
| ga_25 | genetic_algorithm | 0.98 | manhattan_metrics | data_missing_25 | 358418.428 sec | {'Manufacturing_Time': 2.332391448511523} |
| ga_10 | genetic_algorithm | 0.98 | manhattan_metrics | data_missing_10 | 352871.352 sec | {'Manufacturing_Time': 2.3382682705634554} |
| abc_90 | approximate_bayesian_computation | 0.97 | manhattan_metrics | data_missing_90 | 420911.064 sec | {'Manufacturing_Time': 2.207126137419174} |
| abc_75 | approximate_bayesian_computation | 0.97 | manhattan_metrics | data_missing_75 | 436610.619 sec | {'Manufacturing_Time': 2.207126463672464} |
| abc_50 | approximate_bayesian_computation | 1.0 | manhattan_metrics | data_missing_50 | 423503.604 sec | {'Manufacturing_Time': 2.5240396617963095} |
| abc_25 | approximate_bayesian_computation | 0.97 | manhattan_metrics | data_missing_25 | 438038.699 sec | {'Manufacturing_Time': 2.207126463672464} |
| abc_10 | approximate_bayesian_computation | 0.97 | manhattan_metrics | data_missing_10 | 436644.887 sec | {'Manufacturing_Time': 2.207126463672464} |