

Input data

Features: hotel, is_canceled, lead_time, arrival_date_year, arrival_date_month, arrival_date_week_number, arrival_date_day_of_month, stays_in_weekend_nights, stays_in_week_nights, adults, children, babies, meal, country, market_segment, distribution_channel, is_repeated_guest, previous_cancellations, previous_bookings_not_canceled, reserved_room_type, assigned_room_type, booking_changes, deposit_type, company, days_in_waiting_list, customer_type, adr, required_car_parking_spaces, total_of_special_requests, reservation_status, reservation_status_date (total: 31 features)
Meta attributes: agent

Output data

Features: hotel, customer_type, market_segment, distribution_channel, reserved_room_type, total_of_special_requests, lead_time, adults, stays_in_week_nights, stays_in_weekend_nights, meal, deposit_type (total: 12 features)
Target: adr

Removed: 19 (reservation_status_date, previous_bookings_not_canceled, arrival_date_year, is_canceled, required_car_parking_spaces, arrival_date_week_number, previous_cancellations, days_in_waiting_list, assigned_room_type, babies, arrival_date_day_of_month, reservation_status, country, company, children, arrival_date_month, booking_changes, is_repeated_guest, agent)

Name: Linear Regression

Model parameters

Regularization: Ridge Regression (L2) with $\alpha=0.0001$
Fit intercept: Yes

Name: SVM

Model parameters

SVM type: SVM, $C=1.0$, $\epsilon=0.1$
Kernel: RBF, $\exp(-\gamma \|x-y\|^2)$
Numerical tolerance: 0.001
Iteration limit: 100

Name: Tree

Model parameters

Pruning: at least two instances in leaves, at least five instances in internal nodes, maximum depth 100
Splitting: Stop splitting when majority reaches 95% (classification only)
Binary trees: No

Name: Neural Network

Model parameters

Hidden layers: 100
Activation: ReLu
Solver: Adam
Alpha: 0.0001
Max iterations: 200
Replicable training: True

Name: AdaBoost

Model parameters

Base estimator: tree
Number of estimators: 50
Algorithm (classification): Samme.r
Loss (regression): Linear

Name: kNN

Model parameters

Number of neighbours: 5
Metric: Euclidean
Weight: Uniform

Name: Gradient Boosting

Model parameters

Method: Gradient Boosting (scikit-learn)
Number of trees: 100
Learning rate: 0.1
Replicable training: Yes
Maximum tree depth: 3
Fraction of training instances: 1
Stop splitting nodes with maximum instances: 2

Name: Stack

Model parameters

Base learners: ['Linear Regression', 'Neural Network']
Aggregator: default

Settings

Sampling type: Stratified 3-fold Cross validation

Scores

| Model | MSE | RMSE | MAE | R2 |
|-------------------|--------------------|--------------------|--------------------|------------------------|
| kNN | 2306.7933866140006 | 48.0290889629816 | 35.310443 | 0.03585081976233362 |
| Tree | 2365.1757300610684 | 48.63307238969247 | 32.68300055998619 | 0.011449289524955941 |
| Stack | 1424.0477374755144 | 37.73655704321096 | 27.497654746762702 | 0.4048038863499368 |
| SVM | 2392.6577686440473 | 48.914801120356685 | 36.019716190937366 | -3.712496053576153e-05 |
| Random Forest | 1582.7242462647391 | 39.783466996539396 | 27.690705694166944 | 0.33848332779455303 |
| Neural Network | 1448.3949258239845 | 38.05778403722403 | 27.626513109613747 | 0.3946277163368409 |
| Linear Regression | 1448.1850799824513 | 38.05502700015402 | 27.810205477424265 | 0.3947154236700007 |
| Gradient Boosting | 1477.5640911571015 | 38.439095868101546 | 27.400107858583386 | 0.3824361490264184 |
| AdaBoost | 1721.374286010377 | 41.48944788750963 | 27.865199709523978 | 0.280533048009463 |

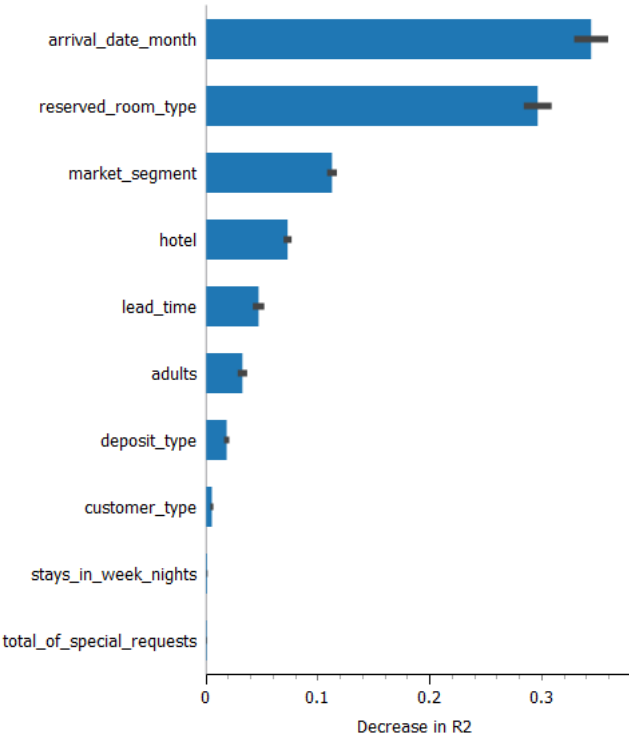
| Data Table | | | | | | | | | | | | | Sat Jun 04 22, 08:50:23 | | |
|---|--------|-------------------|---------|---------|---------------|----------------|----------|---------|-------------------|---------|------|--------------|-------------------------|----------------|----------------------|
| Data instances: 2000 Features: 12 Meta attributes: 10 Target: Numeric variable 'adr' | | | | | | | | | | | | | | | |
| | adr | Linear Regression | SVM | Tree | Random Forest | Neural Network | AdaBoost | kNN | Gradient Boosting | Stack | Fold | hotel | customer_type | market_segment | distribution_channel |
| 1 | 253.33 | 214.901 | 107.893 | 94.1325 | 216.737 | 217.324 | 196.46 | 100.67 | 185.48 | 208.962 | 1 | City Hotel | Transient | Online TA | TA/TO |
| 2 | 185.67 | 145.337 | 100.724 | 156.42 | 146.442 | 147.23 | 156.4 | 140.38 | 144.35 | 143.348 | 1 | City Hotel | Transient | Online TA | TA/TO |
| 3 | 195 | 144.684 | 102.593 | 123.74 | 126.024 | 147.126 | 126 | 132.034 | 143.614 | 142.851 | 1 | City Hotel | Transient | Online TA | TA/TO |
| 4 | 54 | 85.1096 | 96.7585 | 48.8 | 64.8778 | 84.8986 | 98 | 72.59 | 82.1171 | 86.1861 | 1 | Resort Hotel | Transient | Online TA | TA/TO |
| 5 | 140 | 102.517 | 99.5107 | 121.615 | 107.521 | 103.54 | 79.2 | 82.69 | 102.991 | 102.842 | 1 | City Hotel | Transient | Online TA | TA/TO |
| 6 | 62 | 79.562 | 101.21 | 63.15 | 64.253 | 81.3101 | 65 | 114.814 | 82.7764 | 81.3857 | 1 | City Hotel | Transient | Groups | TA/TO |
| 7 | 182.33 | 127.56 | 99.7197 | 92.3 | 143.303 | 127.688 | 151.29 | 122.858 | 121.479 | 126.229 | 1 | City Hotel | Transient | Online TA | TA/TO |
| 8 | 112 | 88.7666 | 97.2913 | 156.035 | 141.896 | 87.5946 | 147.07 | 160.18 | 100.8 | 89.422 | 1 | Resort Hotel | Transient | Online TA | TA/TO |
| 9 | 62 | 80.2223 | 102.268 | 62 | 62 | 74.4656 | 62.8 | 68 | 79.1419 | 80.3873 | 1 | City Hotel | Contract | Groups | TA/TO |
| 10 | 168 | 182.846 | 108.519 | 182.7 | 195.848 | 182.866 | 200 | 162.12 | 187.081 | 178.261 | 1 | City Hotel | Transient | Online TA | TA/TO |
| 11 | 94.5 | 100.451 | 99.2912 | 117 | 117.943 | 102.992 | 104.76 | 111.93 | 106.955 | 101.225 | 1 | City Hotel | Transient | Online TA | TA/TO |
| 12 | 160 | 109.684 | 99.5483 | 110 | 113.417 | 105.622 | 85.5 | 76.9 | 95.6758 | 108.493 | 1 | City Hotel | Transient-Party | Offline TA/TO | TA/TO |
| 13 | 99.45 | 109.549 | 97.9555 | 82.3967 | 103.473 | 105.471 | 115.6 | 88.404 | 102.596 | 108.363 | 1 | City Hotel | Transient | Online TA | TA/TO |
| 14 | 176.1 | 111.029 | 100.172 | 174.9 | 110.085 | 97.0892 | 93 | 125.44 | 103.305 | 107.627 | 1 | Resort Hotel | Transient | Direct | TA/TO |
| 15 | 102.55 | 129.907 | 103.044 | 131.55 | 136.753 | 141.478 | 112.58 | 96.344 | 131.575 | 130.909 | 1 | Resort Hotel | Transient | Online TA | TA/TO |
| 16 | 75 | 77.83 | 96.3908 | 80 | 73.0754 | 72.2237 | 64 | 89.504 | 80.4106 | 78.1673 | 1 | City Hotel | Transient | Offline TA/TO | TA/TO |
| 17 | 80 | 87.9224 | 99.3455 | 53.06 | 70.6766 | 80.3541 | 64 | 86.596 | 87.8337 | 87.2464 | 1 | Resort Hotel | Transient | Online TA | TA/TO |
| 18 | 46 | 115.886 | 103.307 | 91.225 | 67.8117 | 62.7923 | 70 | 83.614 | 77.0605 | 103.748 | 1 | Resort Hotel | Transient | Groups | TA/TO |
| 19 | 89 | 97.5464 | 99.1607 | 76.8 | 80.3675 | 104.81 | 80 | 108.92 | 90.1192 | 99.5097 | 1 | City Hotel | Transient | Online TA | TA/TO |
| 20 | 48 | 88.387 | 96.8287 | 42.9 | 68.0843 | 86.8428 | 50.4 | 113.1 | 97.3117 | 88.9842 | 1 | Resort Hotel | Transient | Online TA | TA/TO |
| 21 | 171 | 140.253 | 101.913 | 150.053 | 134.969 | 144.171 | 162 | 98.91 | 143.447 | 138.998 | 1 | City Hotel | Transient | Online TA | TA/TO |
| 22 | 75 | 84.1607 | 99.4899 | 80 | 82.1601 | 90.2621 | 80 | 114.66 | 85.1399 | 86.6553 | 1 | City Hotel | Transient | Offline TA/TO | TA/TO |
| 23 | 125.1 | 117.528 | 99.2383 | 130.25 | 117.592 | 106.714 | 125.1 | 63.96 | 105.154 | 114.421 | 1 | City Hotel | Transient | Online TA | TA/TO |
| 24 | 55 | 91.6444 | 99.5759 | 48.8 | 65.8448 | 60.2931 | 50.4 | 79.28 | 82.0439 | 85.6168 | 1 | Resort Hotel | Transient | Online TA | TA/TO |
| 25 | 129.33 | 91.0796 | 99.5801 | 125.5 | 120.823 | 93.5827 | 117 | 81.664 | 96.7572 | 92.3932 | 1 | Resort Hotel | Transient | Direct | Direct |
| 26 | 39 | 77.3714 | 97.8368 | 49.25 | 97.5082 | 70.9646 | 68.07 | 133.264 | 79.153 | 77.5626 | 1 | Resort Hotel | Transient | Online TA | TA/TO |
| 27 | 46.1 | 70.3984 | 96.1065 | 156.488 | 87.934 | 59.0216 | 100.09 | 96.744 | 81.8604 | 69.9242 | 1 | Resort Hotel | Transient | Online TA | TA/TO |
| 28 | 79 | 100.932 | 99.1475 | 140 | 136.932 | 109.183 | 129 | 135.6 | 110.28 | 102.911 | 1 | City Hotel | Transient | Online TA | TA/TO |
| 29 | 88.2 | 120.659 | 99.9086 | 174.9 | 139.235 | 113.869 | 109.8 | 105.616 | 110.22 | 118.238 | 1 | City Hotel | Transient | Direct | Direct |
| 30 | 52 | 72.105 | 101.017 | 52 | 55.0151 | 43.6645 | 52 | 82.94 | 78.0562 | 67.8476 | 1 | Resort Hotel | Transient | Offline TA/TO | TA/TO |
| 31 | 104.39 | 117.565 | 101.701 | 70.97 | 90.201 | 99.8964 | 87.3 | 112.59 | 100.844 | 112.977 | 1 | City Hotel | Transient | Online TA | TA/TO |
| 32 | 147 | 147.998 | 102.982 | 170.81 | 181.425 | 157.703 | 106 | 91.18 | 154.069 | 147.54 | 1 | Resort Hotel | Transient | Online TA | TA/TO |
| 33 | 160 | 67.6126 | 99.7181 | 120 | 85.939 | 85.423 | 90 | 97.14 | 93.5289 | 73.6019 | 1 | City Hotel | Transient | Groups | TA/TO |
| 34 | 0 | 60.6519 | 101.518 | 87.586 | 115.436 | 29.1196 | 103.5 | 61.17 | 60.9026 | 56.3963 | 1 | City Hotel | Transient | Offline TA/TO | TA/TO |
| 35 | 48 | 84.2127 | 96.5192 | 48.8 | 67.0219 | 84.5229 | 50.4 | 50.56 | 80.7625 | 85.4542 | 1 | Resort Hotel | Transient | Online TA | TA/TO |
| 36 | 40 | 51.5693 | 101.113 | 45 | 45.23 | 55.3049 | 42 | 54.6 | 40.4238 | 55.4578 | 1 | Resort Hotel | Transient | Corporate | Corporate |
| 37 | 129.6 | 115.886 | 98.2906 | 84.8733 | 97.9134 | 112.323 | 90.95 | 88.63 | 108.196 | 114.441 | 1 | City Hotel | Transient | Online TA | TA/TO |
| 38 | 90 | 118.971 | 101.926 | 80 | 100.937 | 90.8478 | 90 | 118.022 | 98.9884 | 112.043 | 1 | City Hotel | Transient | Groups | TA/TO |
| 39 | 116 | 168.226 | 105.747 | 149.5 | 181.853 | 175.323 | 160 | 124.2 | 183.562 | 166.023 | 1 | Resort Hotel | Transient | Direct | Direct |
| 40 | 48 | 88.7528 | 96.7604 | 95.465 | 97.226 | 89.6012 | 119 | 121.4 | 94.9698 | 89.8452 | 1 | Resort Hotel | Transient | Online TA | TA/TO |
| 41 | 74.25 | 90.2741 | 99.4921 | 113.227 | 89.0023 | 82.4326 | 74.25 | 79.65 | 92.3818 | 89.4016 | 1 | Resort Hotel | Transient | Online TA | TA/TO |
| 42 | 79 | 101.155 | 99.2209 | 93.245 | 120.453 | 107.225 | 105 | 95.776 | 104.581 | 102.65 | 1 | City | Transient | Online TA | TA/TO |

| 43 | 43.2 | 111.644 | 101.333 | 114.667 | 115.474 | 112.649 | 109 | 114.814 | 116.156 | 111.433 | 1 | City Hotel | Transient-Party | Offline TA/TO | TA/TO |
|----|--------|---------|---------|---------|---------|---------|--------|---------|---------|---------|---|--------------|-----------------|---------------|-----------|
| 44 | 106.2 | 133.824 | 100.819 | 117.75 | 101.746 | 130.904 | 110.13 | 97.65 | 122.094 | 131.469 | 1 | City Hotel | Transient | Online TA | TA/TO |
| 45 | 69 | 96.5505 | 98.3401 | 95 | 89.7585 | 86.9113 | 103 | 73.4 | 87.222 | 94.9232 | 1 | City Hotel | Transient | Direct | Direct |
| 46 | 66 | 78.4041 | 101.127 | 70 | 100.931 | 89.0073 | 100 | 122.2 | 84.3923 | 82.2069 | 1 | City Hotel | Transient-Party | Corporate | Corporate |
| 47 | 106.33 | 112.864 | 97.983 | 108.7 | 130.628 | 116.884 | 119.5 | 95.808 | 103.099 | 113.232 | 1 | City Hotel | Transient | Online TA | TA/TO |
| 48 | 81.9 | 88.9154 | 102.01 | 74.875 | 120.288 | 82.7945 | 87 | 93.726 | 101.057 | 88.4938 | 1 | City Hotel | Transient-Party | Online TA | TA/TO |
| 49 | 80 | 96.874 | 98.9552 | 55.2333 | 71.6023 | 100.836 | 64 | 105.78 | 107.47 | 98.164 | 1 | Resort Hotel | Transient | Online TA | TA/TO |
| 50 | 80 | 78.042 | 96.5717 | 62.625 | 72.6832 | 69.7863 | 68 | 99.84 | 80.3659 | 77.7949 | 1 | City Hotel | Transient | Offline TA/TO | TA/TO |
| 51 | 30 | 57.4563 | 100.274 | 32.5 | 57.1663 | 51.1936 | 62 | 88.4 | 55.9361 | 58.8424 | 1 | Resort Hotel | Transient | Groups | TA/TO |
| 52 | 117 | 109.99 | 97.9853 | 116.55 | 106.692 | 104.852 | 100.48 | 100.75 | 101.863 | 108.549 | 1 | City Hotel | Transient | Online TA | TA/TO |
| 53 | 144 | 111.743 | 97.4941 | 108.7 | 110.346 | 118.133 | 98.4 | 119.818 | 103.172 | 112.688 | 1 | City Hotel | Transient | Online TA | TA/TO |
| 54 | 63.75 | 99.4787 | 100.228 | 121.615 | 106.777 | 90.1054 | 120 | 95.69 | 94.891 | 97.7377 | 1 | City Hotel | Transient | Online TA | TA/TO |
| 55 | 79.85 | 91.3899 | 102.563 | 117.92 | 90.6326 | 90.9087 | 85.5 | 68.368 | 93.4841 | 92.0411 | 1 | Resort Hotel | Contract | Offline TA/TO | TA/TO |
| 56 | 100.3 | 124.283 | 99.96 | 113.485 | 96.5743 | 119.489 | 105.9 | 85.9 | 119.35 | 122.081 | 1 | City Hotel | Transient | Online TA | TA/TO |
| 57 | 66 | 79.0555 | 101.324 | 70 | 95.6643 | 85.6017 | 80 | 101.4 | 84.4655 | 81.9445 | 1 | City Hotel | Transient | Corporate | Corporate |
| 58 | 35 | 51.5693 | 101.113 | 45 | 45.23 | 55.3049 | 42 | 54.6 | 40.4238 | 55.4578 | 1 | Resort Hotel | Transient | Corporate | Corporate |
| 59 | 65 | 75.9569 | 96.6235 | 80 | 68.633 | 90.7804 | 62.5 | 104.804 | 81.9014 | 80.8138 | 1 | City Hotel | Transient-Party | Offline TA/TO | TA/TO |
| 60 | 169 | 114.313 | 97.6397 | 133.35 | 112.35 | 114.675 | 119.85 | 144.76 | 111.626 | 113.807 | 1 | City Hotel | Transient | Online TA | TA/TO |
| 61 | 106.4 | 100.966 | 99.1497 | 140 | 132.352 | 109.354 | 120 | 105.4 | 110.235 | 102.972 | 1 | City Hotel | Transient | Online TA | TA/TO |
| 62 | 73.28 | 122.724 | 103.466 | 81.49 | 109.611 | 137.756 | 89.7 | 97.306 | 114.591 | 124.893 | 1 | Resort Hotel | Transient | Direct | Direct |
| 63 | 62 | 80.6288 | 100.756 | 62.2 | 61.64 | 82.4821 | 62 | 74 | 78.4694 | 82.4128 | 1 | City Hotel | Transient | Groups | TA/TO |
| 64 | 120 | 67.0698 | 99.2843 | 95 | 100.595 | 85.2625 | 110 | 116.95 | 89.7257 | 73.1733 | 1 | City Hotel | Transient | Offline TA/TO | TA/TO |
| 65 | 54.5 | 72.4754 | 101.391 | 54.5 | 54.9567 | 67.4025 | 65.96 | 88.946 | 68.4209 | 73.2407 | 1 | Resort Hotel | Transient-Party | Groups | TA/TO |
| 66 | 126 | 124.42 | 99.5329 | 101.49 | 103.377 | 84.6846 | 98.1 | 76.46 | 111.508 | 114.667 | 1 | City Hotel | Transient | Direct | TA/TO |
| 67 | 72 | 51.2398 | 96.0829 | 67 | 47.768 | 38.6448 | 43 | 52.542 | 42.2142 | 51.6223 | 1 | Resort Hotel | Transient | Offline TA/TO | TA/TO |
| 68 | 101.5 | 115.992 | 101.303 | 102.75 | 101.583 | 104.446 | 101.5 | 101.5 | 101.566 | 112.817 | 1 | City Hotel | Transient-Party | Offline TA/TO | TA/TO |
| 69 | 169 | 114.335 | 97.6404 | 97.025 | 112.35 | 114.789 | 118 | 118.78 | 112.737 | 113.847 | 1 | City Hotel | Transient | Online TA | TA/TO |
| 70 | 189.43 | 148.326 | 102.853 | 123.74 | 127.905 | 152.081 | 130 | 110.382 | 143.614 | 146.564 | 1 | City Hotel | Transient | Online TA | TA/TO |
| 71 | 187 | 168.382 | 104.508 | 207 | 123.055 | 171.188 | 106.2 | 87.362 | 179.114 | 165.243 | 1 | Resort Hotel | Transient | Direct | Direct |
| 72 | 80 | 123.028 | 103.944 | 70.6667 | 59.9862 | 68.0624 | 75 | 87.258 | 73.0821 | 110.069 | 1 | Resort Hotel | Transient | Groups | Direct |
| 73 | 55.8 | 92.9826 | 103.681 | 55.5867 | 55.2121 | 82.7636 | 57 | 121.6 | 70.1246 | 91.4386 | 1 | Resort Hotel | Transient-Party | Groups | TA/TO |
| 74 | 162 | 115.607 | 98.0589 | 121.067 | 113.417 | 114.854 | 117 | 81.26 | 109.686 | 114.784 | 1 | City Hotel | Transient | Online TA | TA/TO |
| 75 | 47 | 95.7815 | 102.731 | 32.0925 | 39.2146 | 96.5546 | 58 | 137.016 | 50.2186 | 96.4468 | 1 | Resort Hotel | Transient | Offline TA/TO | TA/TO |
| 76 | 120 | 98.2015 | 98.8891 | 98.0333 | 102.956 | 91.0307 | 102.6 | 102.94 | 106.288 | 97.0105 | 1 | City Hotel | Transient | Direct | Direct |
| 77 | 115.6 | 108.793 | 98.2003 | 87.345 | 95.5123 | 102.533 | 110 | 114.06 | 99.393 | 107.18 | 1 | City Hotel | Transient | Online TA | TA/TO |
| 78 | 0 | 78.0911 | 101.254 | 137.59 | 31.4913 | 86.6045 | 76 | 61.6 | 60.4583 | 81.4611 | 1 | City Hotel | Transient | Corporate | Corporate |
| 79 | 162 | 151.765 | 102.133 | 125.82 | 161.767 | 149.76 | 141.3 | 102.506 | 163.398 | 148.559 | 1 | City Hotel | Transient | Online TA | TA/TO |
| 80 | 89.1 | 101.899 | 100.365 | 95.7 | 96.4303 | 92.7739 | 105.3 | 124.588 | 99.1687 | 100.07 | 1 | City Hotel | Transient | Online TA | TA/TO |
| 81 | 100 | 85.8226 | 100.256 | 86.6667 | 88.6257 | 93.4809 | 100 | 83.5 | 86.4143 | 88.5562 | 1 | City Hotel | Transient | Groups | TA/TO |
| 82 | 81 | 98.7006 | 99.3444 | 105.933 | 99.4085 | 101.094 | 74.8 | 117.06 | 100.322 | 99.5452 | 1 | City Hotel | Transient | Online TA | TA/TO |
| 83 | 165.6 | 189.117 | 107.853 | 182.7 | 197.144 | 189.089 | 186.3 | 114.47 | 181.122 | 184.155 | 1 | City Hotel | Transient | Online TA | TA/TO |
| 84 | 66 | 79.9032 | 97.0044 | 86.8333 | 78.6253 | 68.4591 | 67.5 | 86.532 | 80.4692 | 78.8591 | 1 | City Hotel | Transient | Offline TA/TO | TA/TO |
| 85 | 119.7 | 93.159 | 101.148 | 117.92 | 94.6784 | 97.6013 | 85.5 | 132.108 | 93.4841 | 94.7696 | 1 | Resort Hotel | Transient | Offline TA/TO | TA/TO |
| 86 | 86 | 81.2244 | 100.146 | 95.3333 | 82.9671 | 79.2142 | 85 | 67.1 | 76.2732 | 82.1396 | 1 | Resort Hotel | Transient-Party | Groups | TA/TO |
| 87 | 120 | 66.814 | 99.6207 | 88 | 92.9655 | 86.1994 | 90 | 87.718 | 83.5502 | 73.19 | 1 | City Hotel | Transient | Groups | TA/TO |
| 88 | 72 | 77.5411 | 96.3759 | 91 | 77.3677 | 71.3541 | 89.25 | 129.096 | 83.7163 | 77.7699 | 1 | City Hotel | Transient | Offline TA/TO | TA/TO |
| | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | |
|-------------|--------|---------|---------|---------|---------|---------|--------|---------|---------|---------|---|--------------|-----------------|---------------|--------|
| 89 | 95.74 | 96.812 | 99.1301 | 101.095 | 94.3971 | 83.298 | 93.5 | 81.3 | 104.47 | 94.3329 | 1 | City Hotel | Transient | Online TA | TA/TO |
| 90 | 91 | 77.3514 | 97.2003 | 87.835 | 83.6252 | 92.5002 | 88.5 | 103.69 | 83.9902 | 82.197 | 1 | City Hotel | Transient-Party | Offline TA/TO | TA/TO |
| 91 | 79.2 | 101.046 | 99.3129 | 81.965 | 92.8397 | 91.5167 | 102.6 | 91.33 | 103.95 | 99.1794 | 1 | City Hotel | Transient | Direct | Direct |
| 92 | 130.5 | 98.0339 | 99.3209 | 77 | 98.4375 | 97.423 | 79.2 | 118.694 | 94.891 | 98.2688 | 1 | City Hotel | Transient | Online TA | TA/TO |
| 93 | 120 | 100.334 | 99.3472 | 119.308 | 106.166 | 100.084 | 102.43 | 101.834 | 100.373 | 100.513 | 1 | City Hotel | Transient | Online TA | TA/TO |
| 94 | 88.4 | 122.473 | 99.2142 | 133.35 | 118.474 | 123.53 | 109.7 | 132.514 | 111.684 | 121.64 | 1 | City Hotel | Transient | Online TA | TA/TO |
| 95 | 119 | 97.2344 | 99.0863 | 79.5 | 86.5494 | 106.24 | 80 | 110.134 | 104.739 | 99.592 | 1 | City Hotel | Transient | Online TA | TA/TO |
| 96 | 117 | 112.394 | 97.6206 | 97.025 | 93.1996 | 105.702 | 113.79 | 175.2 | 114.228 | 110.477 | 1 | City Hotel | Transient-Party | Online TA | TA/TO |
| 97 | 60.94 | 116.386 | 98.2867 | 84.8733 | 87.3636 | 114.754 | 80.08 | 89.574 | 112.796 | 115.328 | 1 | City Hotel | Transient | Online TA | TA/TO |
| 98 | 87.75 | 116.748 | 101.034 | 96.3 | 109.233 | 113.801 | 99 | 93.48 | 109.686 | 115.385 | 1 | City Hotel | Contract | Online TA | TA/TO |
| 99 | 175.56 | 205.396 | 105.813 | 94.1325 | 164.799 | 210.75 | 210.5 | 151.328 | 210.717 | 200.645 | 1 | Resort Hotel | Transient | Online TA | TA/TO |
| 100 | 91 | 91.5799 | 102.97 | 78.3333 | 63.8703 | 80.7106 | 82.24 | 89.85 | 90.6279 | 89.9775 | 1 | Resort Hotel | Transient-Party | Groups | Direct |
| + 1900 more | | | | | | | | | | | | | | | |

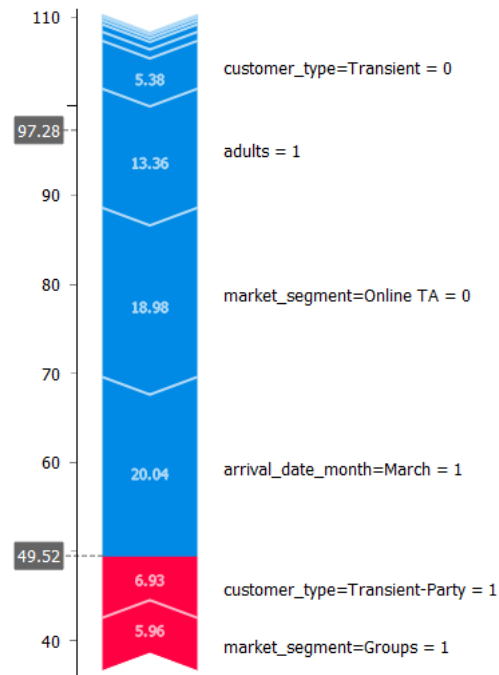
| |
|--|
| |
|--|

Score: R2
Permutations: 5



| |
|--|
| |
|--|

Target class: None



Target class: None

market_segment
Online TA

reserved_room_type
A

lead_time

reserved_room_type
D

arrival_date_month
August

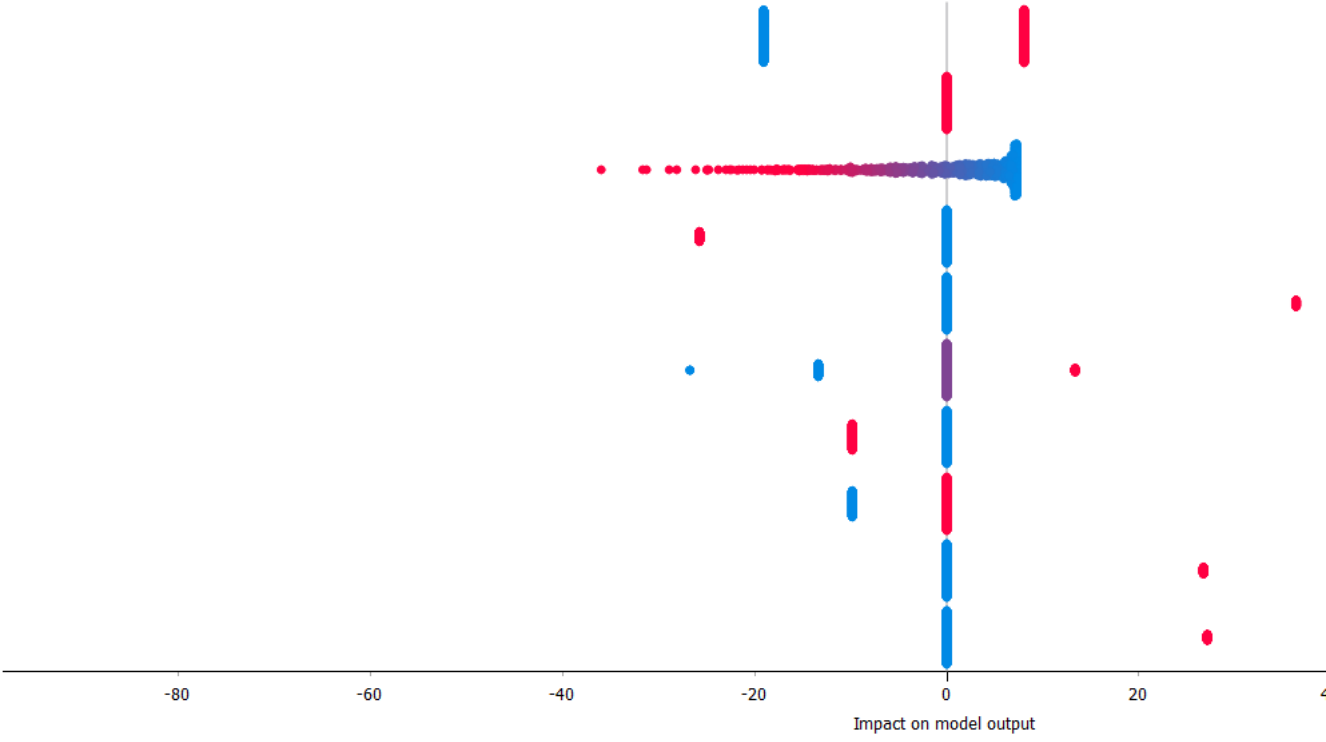
adults

hotel
Resort Hotel

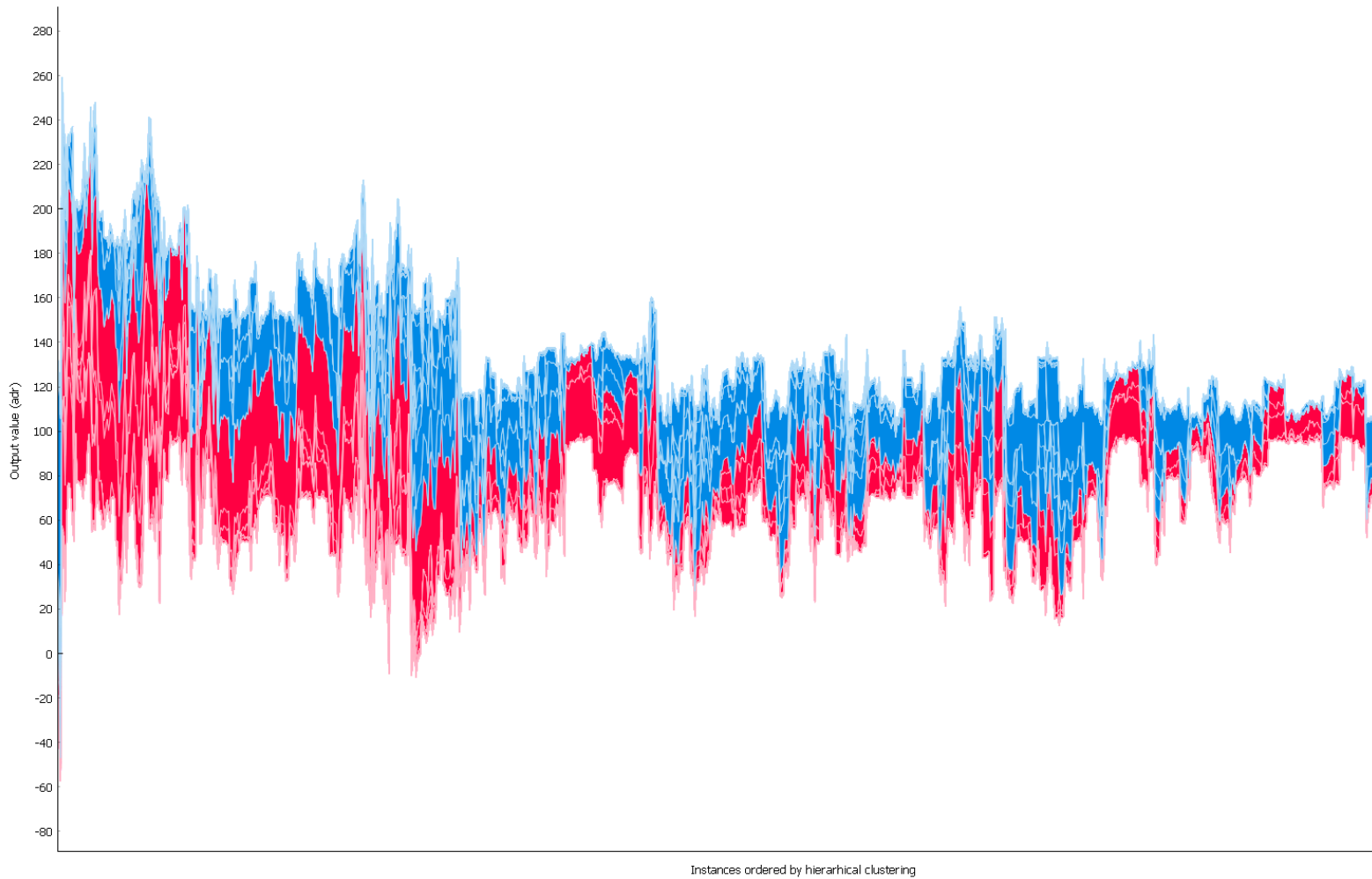
hotel
City Hotel

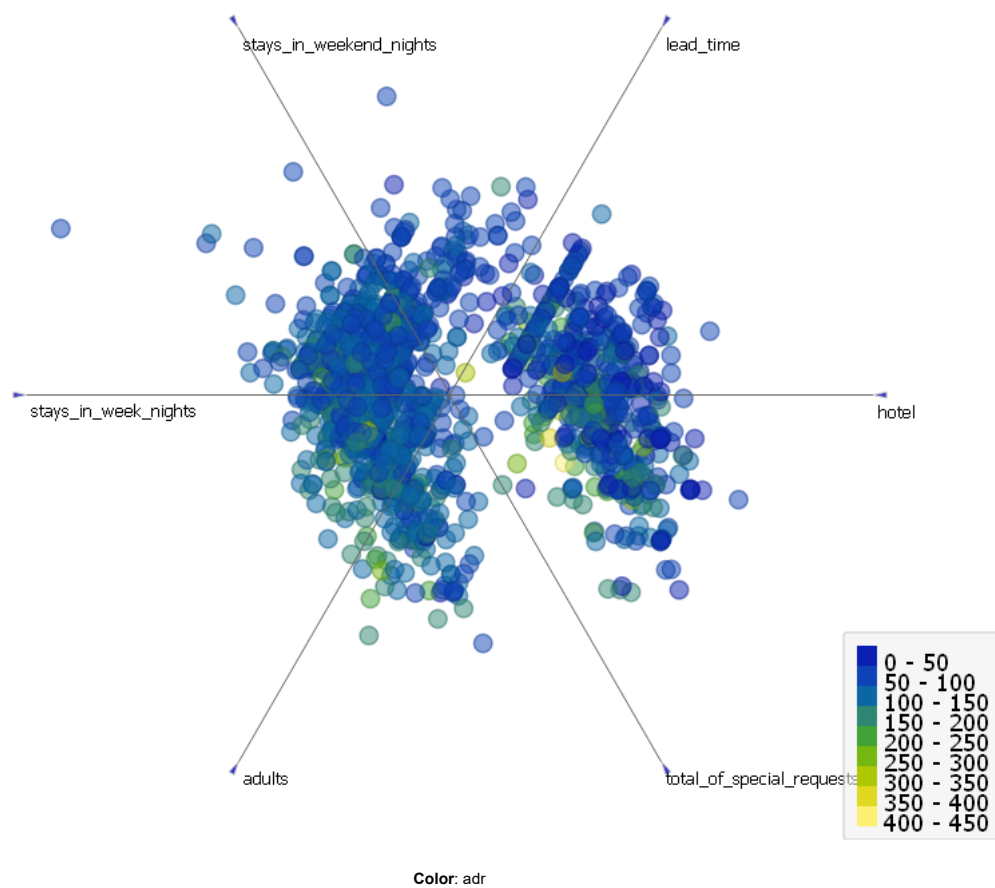
market_segment
Direct

arrival_date_month
July



Target class: None







Data Table

Sat Jun 04 22, 08:52:05

Data instances: 12
Features: 2
Meta attributes: 1

| | Feature | Univar. reg. | RReliefF |
|----|---------------------------|---------------|-----------|
| 11 | arrival_date_month | -1.79769e+308 | 0.406275 |
| 5 | reserved_room_type | -1.79769e+308 | 0.256191 |
| 10 | total_of_special_requests | -1.79769e+308 | 0.100895 |
| 7 | stays_in_weekend_nights | -1.79769e+308 | 0.0973409 |
| 6 | lead_time | -1.79769e+308 | 0.093987 |
| 9 | adults | -1.79769e+308 | 0.0858338 |
| 8 | stays_in_week_nights | -1.79769e+308 | 0.0698527 |
| 3 | market_segment | -1.79769e+308 | 0.0594917 |
| 2 | customer_type | -1.79769e+308 | 0.0489501 |
| 1 | hotel | -1.79769e+308 | 0.0483362 |
| 4 | distribution_channel | -1.79769e+308 | 0.0176966 |
| 12 | deposit_type | -1.79769e+308 | 0.003424 |

