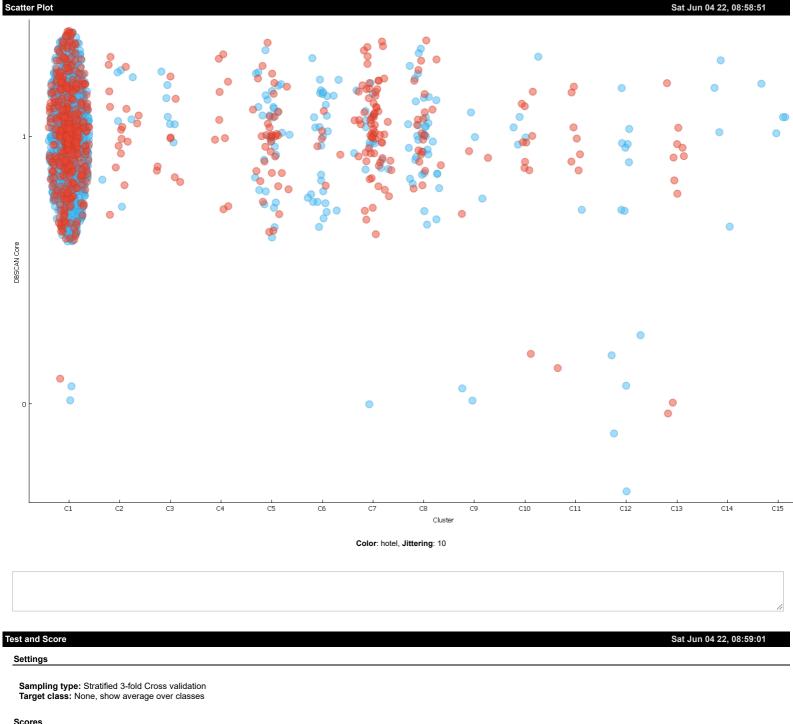
Select Columns Sat Jun 0	04 22, 08:58:24
Input data	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Features: hotel, is_canceled, lead_time, arrival_date_year, arrival_date_month, arrival_date_week_number, arrival_date_day_of_month, stays_in_weekend_nights, stays_in_week	ed_room_type,
Output data	
Features: hotel, customer_type, market_segment, distribution_channel, reserved_room_type, lead_time, reservation_status, stays_in_weekend_nights, stays_in_week_nights, total_of_special_requests, adults (total: 11 features)  Target: adr	
Removed: 20 (deposit_type, arrival_date_month, agent, required_car_parking_spaces, arrival_date_year, is_repeated_guest, reservation_status_date, previous_bookings_not_car previous_cancellations, assigned_room_type, booking_changes, is_canceled, country, arrival_date_day_of_month, babies, children, meal, company, days_in_waiting_list, arrival_date_day_of_month, babies, children, meal, chil	nceled, late_week_numbe
-Means Sat Jun 0	04 22, 08:58:32
oat sun t	04 22, 00.30.32
Number of clusters: 3 Optimization: initialize with KMeans++, 10 re-runs limited to 300 steps	
Data	
Data instances: 2000 Features: hotel, customer_type, market_segment, distribution_channel, reserved_room_type, lead_time, reservation_status, stays_in_weekend_nights, stays_in_week_nights, total_of_special_requests, adults (total: 11 features) Target: adr	
ouvain Clustering Sat Jun 0	04 22, 08:58:45

Lo

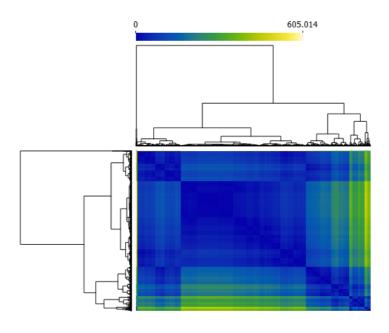
Normalize data: Yes PCA preprocessing: Yes, 11 components Metric: Euclidean k neighbors: 30 Resolution: 1.0



Scores Model AUC CA F1 Precision Recall Logistic Regression 0.9995098072881612 0.987 0.987004222805208 0.9870137211108989 0.987

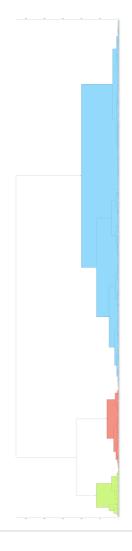
Distance Map Sat Jun 04 22, 08:59:09

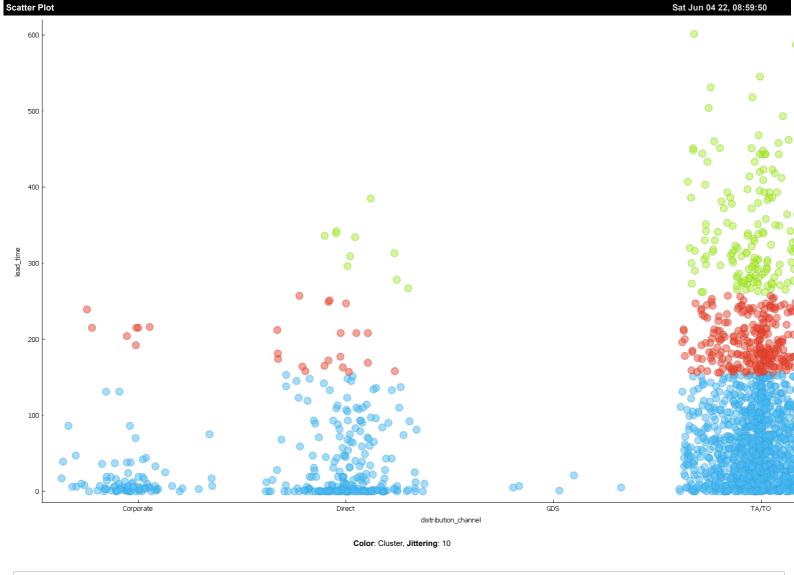
Sorting: clustering Annotations: none



Hierarchical Clustering Sat Jun 04 22, 08:59:36

Linkage: ward Annotation: hotel Selection: top 3 clusters





Pivot Table Sat Jun 04 22, 08:59:55

Row feature: Cluster Column feature: hotel Value feature: Cluster

		hotel		
	Count	City Hotel	Resort Hotel	Total
Cluster	C1	18.0	176.0	194.0
	C2	177.0	4.0	181.0
	C3	148.0	10.0	158.0
	C4	126.0	24.0	150.0
	C5	0.0	144.0	144.0
	C6	92.0	40.0	132.0
	C7	73.0	54.0	127.0
	C8	106.0	4.0	110.0
	C9	3.0	107.0	110.0
	C10	97.0	1.0	98.0
	C11	90.0	0.0	90.0
	C12	66.0	15.0	81.0
	C13	62.0	16.0	78.0
	C14	76.0	0.0	76.0
	C15	0.0	68.0	68.0
	C16	63.0	3.0	66.0
	C17	49.0	13.0	62.0
	C18	45.0	0.0	45.0
	C19	30.0	0.0	30.0
	Total	1321.0	679.0	2000.0