Assignment Algorithm Analytics Data

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Revision date: Aug 23, 2021
oca

Background

Assignment algorithm output metrics, such as distinct active time and asap duration, are useful in measuring top-level changes. Assignment algorithm internal metrics can also be useful in understanding algorithm mechanics.

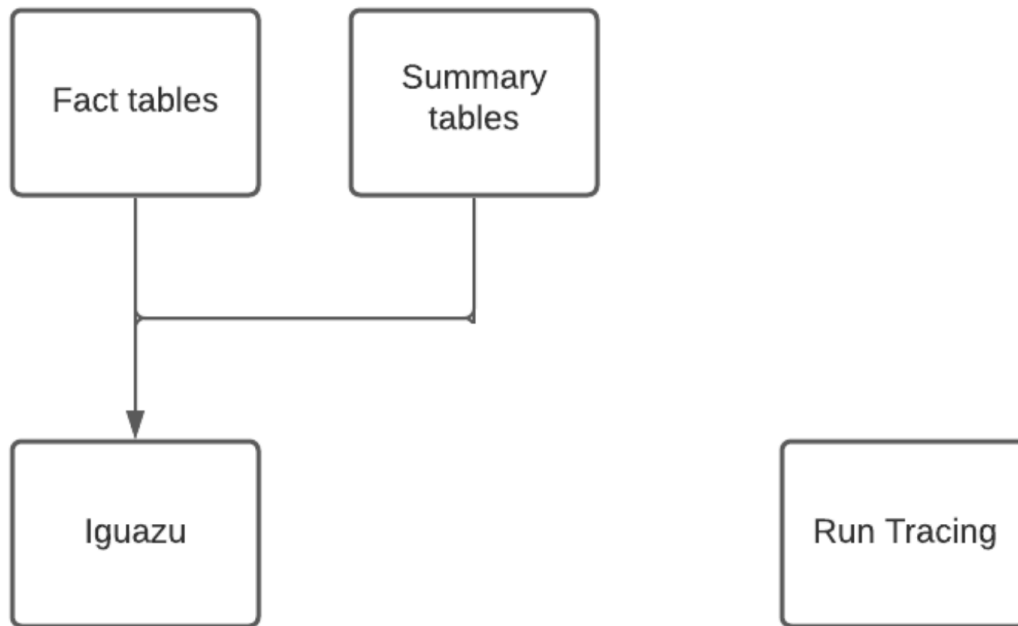As a review, the assignment algorithm consists of several high-level steps:
1. isTimeToAssign - determining when a delivery should be considered for assignment.
2. packageDeliveries - grouping deliveries into sets to assign together
3. generateFastShiftCandidate - gathering (and pruning) shifts eligible for each delivery. - Ex BI Filtering
4. routeGeneration - generating, from shift candidates, candidate route assignments for each delivery, We also prune to select one insertion (say P1P2D1D2)
5. Optimization - Selecting which assignments to make.
6. Post-filtering - deciding whether to make the chosen assignments at this moment.
   a. Tentative
      i. Batch append
      ii. ShouldDelay
      iii. Interlace batch

More detail on the algorithm can be found [here](#).

This document overviews data captured when proceeding through the assignment algorithm.

Overview

There are multiple ways in which one can query assignment data.

```
┌─────────────┐   ┌─────────────┐
│             │   │   Summary   │
│ Fact tables │   │   tables    │
│             │   │             │
└──────┬──────┘   └──────┬──────┘
       │                 │
       └────────┬────────┘
                │
                ▼
        ┌─────────────┐          ┌─────────────┐
        │             │          │             │
        │   Iguazu    │          │ Run Tracing │
        │             │          │             │
        └─────────────┘          └─────────────┘
```

The primary methods involve querying fact or summary tables, which are built upon Iguazu sources which are built on top of key decisions made in each of the primary phases of the algorithm. Run tracing is an alternative data source that supplements the prior data sources with constraint-level tracking.

~~Fact and Summary Tables~~

~~The top of the data hierarchy consists of fact and "summary" tables. Both represent aggregations of assignments data, for example on a delivery, assignment, or assignment run level. They may overlap in functionality somewhat; the fact tables are meant to be outward-facing and stable, and the summary tables are meant to be inward-facing and experimental.~~

~~Table name~~	~~Is internal~~	~~Description~~
~~fact_deep_red_run_summary_historical~~	~~Y~~	~~(Assignment run, Sp) aggregate~~
~~fact_deep_red_delivery_summary_historical~~	~~Y~~	~~Delivery aggregate~~

Further information on each can be found at the following links:
- [Deprecated] [Fact table documentation](#)
- [Summary table documentation](#)

Source Tables

A collection of events emitted directly from Deep Red when running the assignment algorithm capture the majority of key decision points. Technically, they are logged through Iguazu, DoorDash's internal high-volume, real-time data pipeline (historically, we also used segment, a third-party service). There roughly exists one event/table per major phase in the algorithm. Note that much of the data is stored in string format, and you may need to cast it into your desired type.

Table name	Description	Step	Links
IGUAZU.SERVER_EVENTS_PRODUCTION.DEEPRED_ALLSHIFT	All shifts in a run		[code][trackDasherShift] [schema]
IGUAZU.SERVER_EVENTS_PRODUCTION.DEEPRED_DELIVERY_CONSIDERED_FOR_ASSIGNMENT_EVENT (DCA)	Does a given delivery pass merchant-gates to enter into the main assignment algorithm?	1	[code][getDeliveryConsideredForAssignmentMessage] [schema]
IGUAZU.SERVER_EVENTS_PRODUCTION.DEEPRED_INITIALSHIFT	Which shifts are considered for each delivery. Column "source" tells urgent from deep_red_traces.public.shift_candidate_tracesholistic.	2	[code][trackInitialShiftCandidate] [schema]
IGUAZU.SERVER_EVENTS_PRODUCTION.DEEPRED_OPTIMIZERCANDIDATE (OCA)	Candidate assignments that are fed into the optimizer, ie assigning this delivery to that shift resulting in these pickup, dropoff times. Only has holistic routes.	4	[code][trackCandidateAssignment][schema]
IGUAZU.SERVER_EVENTS_PRODUCTION.DEEPRED_FUTURE_DASHER_EVENT	Tracks the future dasher information and whether it is matched	5-Prefiltering	[code][trackFutureDasherMessage] [schema]
IGUAZU.SERVER_EVENTS_PRODUCTION.DEEPRED_CONSIDERED_DELIVERY_STATS (CDS)	Candidate assignments made by Deep Red. Includes both holistic and urgent assignments. Includes both tentative (not published) and published assignments.	5 - Pre filtering	[code][trackConsideredAssignment] [schema]
IGUAZU.SERVER_EVENTS_PRODUCTION.DEEPRED_ASSIGNMENT_INFO_EVENT (AI)	Actual assignments published by Deep Red. Includes information on how Deep Red views this assignment, ie assignment source, travel durations/distances, etc.	5 - Final	[code][trackAssignmentInfo] [schema]
IGUAZU.SERVER_EVENTS_PRODUCTION.DEEPRED_SWITCHBACK_EXPOSURE	Experiment tags	Experiment - Switchback	Code[trackDataBridgeEvent] [schema]

~~IGUAZU.SERVER_EVENTS_PRO DUCTION.EXPERIMENT_EXPOS URE~~	~~Ab Experiment tags~~	~~Experiment -Ab Experiment s~~	~~[schema] TODO~~
IGUAZU.SERVER_EVENTS_PRO DUCTION.DATA_BRIDGE_MODE L_EVENT	Model inputs and outputs for all Deep Red Data Bridge models. Includes information on input/feature values and fallbacks, as well as output/prediction values	Any -> Data Bridge	[schema]

There are other tables we leverage for monitor metrics. See details in
https://doordash.atlassian.net/wiki/spaces/DATA/pages/132651164/Dimension+Drive+Deliveries
and
https://doordash.atlassian.net/wiki/spaces/DATA/pages/119603229/Dimension+Dasher+Shifts

More upstream tables with deliveries

DEEP_RED_TRACES.PUBLIC.DELIVERY_TRACES
DEEP_RED_TRACES.PUBLIC.ASSIGNMENT_TRACES
DELIVERY.PUBLIC.MAINDBLOCAL_DELIVERY (1 day lag)

Run Tracing

Run tracing is a new, alternative source of information, providing a higher resolution than the Iguazu and Segment tables. It includes all entities considered in the assignment process, as well as the constraint that was applied to it in the event that the entity dropped out of the filter, allowing for example one to conclude definitively why a given dasher was not considered for an order.

More information on run tracing can be found here.

Miscellaneous

These are other tables that may be helpful:

Table name	Description
maindb_delivery_event	All the delivery events for a delivery
maindb_shift_delivery_assignment	All the assignments and dasher unassign made to a delivery
DELIVERY.PUBLIC.MAINDBLOCAL_DELIVERY	More real time delivery data

Appendix

Schemas

Schema - IGUAZU.SERVER_EVENTS_PRODUCTION.DEEPRED_ALLSHIFT

Fields	Descriptions	Sample Value
ACCEPTANCE_RATE_ON_CHECK_IN		59
ASSIGNMENT_RUN_ID		dra:WAS_91_1602106495950
CAN_ASSIGN_CASH_ORDER	Not in InitialShift	TRUE
COMMON_ASSIGNMENT_RUN_ID		dra:WAS_91_1602106495950
CUR_ROUTE		[]
CUR_ROUTE_TYPE		
DASHER_AGE		19
DASHER_ID		4524321
DASHER_SCORE		0
DRA_ID		deep-red-passive
ENROUTE_DELIVERY_INFO		[]
EVENT_CREATED_AT		2020-10-07 21:34:57
FLF		0.8
IDEAL_FLF		1.79
IS_EQUIPPED		FALSE
IS_FIRST_SHIFT	Not in InitialShift	FALSE
IS_HIGH_AR_TOP_DASHER		FALSE
IS_IDLE_SHIFT	Not in InitialShift	TRUE

IS_PROD		FALSE
IS_TOP_DASHER		FALSE
MARKET_SHORTNAME		WAS
MESSAGE_UUID		a0bcb17e-f7de-46c8-9b10-65bada3198ba
ON_MANUAL_ASSIGN		FALSE
RAW_ROUTE	Not in InitialShift	
REQUIRES_MARQUETA	Not in InitialShift	TRUE
ROUTE_IS_ALL_PICKUP_BEFORE_DROPOFF		TRUE
SCHEDULED_END_TIME		1602120600
SCHEDULED_START_TIME		1602106200
SHIFT_ID		499239819
SHIFT_LAT		39.56328676
SHIFT_LNG		-76.99524545
SOFT_SKILLS		{}
SP_ID		3984
SP_SET_ID		91
TIMESTAMP		2020-10-07 21:34:58
VEHICLE_TYPE	Not in InitialShift	VehicleType(1)

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Schema -

IGUAZU.SERVER_EVENTS_PRODUCTION.DEEPRED_DELIVERY_CONSIDERED_FOR_ASSIGNMENT_EVENT

Fields	Descriptions	Sample Value
ASSIGNMENT_RUN_ID		dra:DAL_52_1615340274346
COMMON_ASSIGNMENT_RUN_ID		dra:DAL_52_1615340274346

CUR_TIME		2021-03-10T01:37:54.346Z
CUSTOMER_STARTING_POINT_ID		
DASHER_PROVIDED_ORDER_READY_TIME		
DELIVERY_ID		1494901721
DELIVERY_WINDOW_END_TIMESTAMP		2021-03-10 2:02:07
DELIVERY_WINDOW_START_TIMESTAMP		2021-03-10 1:42:07
DESIRED_ASSIGNMENT_TIME		2021-03-10T01:36:14Z
DR_TRACK_TIME_MILLIS		2021-03-10 1:38:21
DROPOFF_LAT		33.5071575
DROPOFF_LNG		-101.8759176
ESTIMATED_ASSIGNMENT_LATENCY		396
ESTIMATED_ASSIGNMENT_TO_PICKUP_DURATION		750
ESTIMATED_DELIVERY_TIME		2021-03-10T01:52:07Z
ESTIMATED_PICKUP_TIME		2021-03-10T01:46:14Z
ESTIMATED_PREP_DURATION		905
ESTIMATED_R2C_DURATION		385
ESTIMATED_STORE_PREP_TIMESTAMP		
ETA_ID		2181866766

EVENT_CREATED_AT		2021-03-10 1:38:21
FLF		1.318681319
FORCE_BATCH_ID		
IDEAL_FLF		1.57
IS_ASAP		FALSE
IS_CASH_ORDER		FALSE
IS_DRIVE_DELIVERY		TRUE
IS_FROM_PARTNER		FALSE
IS_HIGH_TIP_DELIVERY		FALSE
IS_INSTANT_ASSIGN_STORE		FALSE
IS_INSTANT_ASSIGN_WITHOUT_CONFIRM		FALSE
IS_LARGE_DELIVERY		FALSE
IS_PROD		TRUE
IS_TIME_TO_ASSIGN		TRUE
MARKET_SHORTNAME		DAL
MAX_BATCH_SIZE		-1
MERCHANT		347300
MERCHANT_STARTING_POINT_ID		
METADATA		{"merchant_starting_point":"StartingPoint(6064)","customer_starting_point":"StartingPoint(6064)", "starting_point_source":"MERCHANT_SP_DEFAULT"}
MIGRATION_THRESHOLD		1.8

MIN_AGE_REQUIREMENT		0
ON_MANUAL_ASSIGN		FALSE
ONSITE_ESTIMATED_PREP_TIME		2021-03-10 1:44:28
ORDER_PROTOCOL		DRIVE
ORDER_READY_ESTIMATION_SOURCE		ETA_PREDICTED_PICKUP_TIME
ORDER_READY_TIME		2021-03-10T01:46:14Z
ORDER_VOLUME		-1
PICKUP_LAT		33.5185839
PICKUP_LNG		-101.9037042
PICKUP_WINDOW_END_TIMESTAMP		
PICKUP_WINDOW_START_TIMESTAMP		
POST_ASSIGNMENT_RELEASE_TYPE		
PREDELIVERYTIPAMOUNT		200
PREFER_DASHER_ATTRIBUTES		Map()
PREFER_DASHER_EQUIPMENT		Map()
PREFER_DASHER_ONBOARDING		Map()
PREFER_VEHICLES		Map()
PREFERRED_DASHER_EQUIPMENTS		
PREFERRED_NOT_BATCH		

QUOTED_DELIVERY_TIME		2021-03-10T01:52:07.824856Z
RAW_ESTIMATED_PREP_DURATION		
RAW_MX_ESTIMATED_PREP_DURATION		
SERVICEABLE_VEHICLE_TYPES		5,10,14,1,6,13,2,12,3,8,4
SHIFT_BLOCK_LIST		
SHOULD_NOT_BATCH		FALSE
SHOULD_NOT_CONSIDER_FOR_BATCH		
SINGLE_STORE_BATCHING		FALSE
SP_ID		6064
SP_NEXT_WINDOW_FLF		1.160917401
SP_SET_ID		52
START_TIME		2021-03-10T00:57:07.824Z
STORE_CONFIRMED_TIMESTAMP		
STORE_ORDER_READY_TIMESTAMP		
SUBMARKET_ID		
SUBTOTAL		1845
TRADEOFF_ASAP_COST		0
TRADEOFF_ASAP_DASHER_WAIT		0
TTA_ASSIGNMENT_TIME_PADDING		166

		-644
TTA_COMBINED_LATENCY_BUFFER_D2R		-644
TTA_MX_PICKUP_LX		165
TTA_PARKING_PAD		60
USER_ID		

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Schema - IGUAZU.SERVER_EVENTS_PRODUCTION.DEEPRED_INITIALSHIFT

Fields	Descriptions	Sample Value
ACCEPTANCE_RATE_ON_CHECK_IN		81
ASSIGNMENT_RUN_ID		dra:PHL_159_1603412420178
COMMON_ASSIGNMENT_RUN_ID		dra:PHL_159_1603412420178
CUR_ROUTE		[{"delivery_id": 1022632669,"type": "dropoff","ts": 1603412936,"trl_Source": "STRAIGHTLINE","dist": 1602,"trl_Tm": 358,"prk_Tm": 167}]
CUR_ROUTE_TYPE		D1
DASHER_AGE		24
DASHER_ID		3305947
DASHER_SCORE		-1
DELIVERY_ID	Not in AllShift table	1022652464
DELIVERY_PACKAGE_IDS	Not in AllShift table	Set(1022652464)
DELIVERY_PACKAGE_SI	Not in AllShift table	1

ZE		
DR_TRACK_TIME_MILLIS	Not in AllShift table	1603412422384
DRA_ID		deep-red
ENROUTE_DELIVERY_INFO		[{"delivery_id": 1022632669, "dasher_assigned_time": 1603412003, "dasher_confirmed_time": 1603412016, "dasher_at_store_time": 1603412060, "dasher_confirmed_at_store_time": 1603412026, "actual_pickup_time": 1603412362}]
EVENT_CREATED_AT		2020-10-23 0:20:22
FLF		0.9776119403
HAS_RED_CARD	Not in AllShift table	TRUE
IDEAL_FLF		1.38
IS_CLONE_DASHER	Not in AllShift table	
IS_EQUIPPED		FALSE
IS_INTERLACED	Not in AllShift table	FALSE
IS_PROD		TRUE
IS_SEMI_IDLE_DASHER	Not in AllShift table	
IS_SHIFT_ACTUAL_SAME_BLOCK		FALSE
IS_SHIFT_ACTUAL_SAME_STORE		FALSE
IS_SHIFT_BUSY	Not in AllShift table	TRUE
IS_SHIFT_RBB	Not in AllShift table	FALSE
IS_SHIFT_SAME_STORE	Not in AllShift table	FALSE

IS_TOP_DASHER		FALSE
MARKET_SHORTNAME		PHL
MESSAGE_UUID		86521ffa-1333-46ee-bbe6-8c37 4edaf606
METADATA		
PACKAGE_TYPE	Not in AllShift table	
SHIFT_ID		518328266
SHIFT_LAT		40.60747382
SHIFT_LNG		-75.49174082
SHIFT_TYPE	Not in AllShift table	
SHOULD_NOT_BATCH_D ELIVERIES	Not in AllShift table	
SOFT_SKILLS		{}
SP_ID		2699
SP_SET_ID		159
TIMESTAMP		2020-10-23 0:20:22
VEHICLE_TYPE		VehicleType(1)

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Schema - IGUAZU.SERVER_EVENTS_PRODUCTION.DEEPRED_OPTIMIZERCANDIDATE

Fields	Descriptions	Sample Value
ASSIGNMENT_RUN_ID		dra:SD_114_1603437243382
BATCHING_ADJUSTMEN T		0
COMMON_ASSIGNMENT _RUN_ID		dra:SD_114_1603437243382
COMPOSITE_SCORE		2.89

CUR_ROUTE		[{"delivery_id": 1023400625,"type": "pickup","ts": 1603437649,"trl_Source": "STRAIGHTLINE","dist": 42,"trl_Tm": 9,"prk_Tm": 60,"wait_secs": 350},{"delivery_id": 1023400625,"type": "dropoff","ts": 1603437833,"trl_Source": "STRAIGHTLINE","dist": 556,"trl_Tm": 124,"prk_Tm": 60}]
CUR_ROUTE_TYPE		P1D1
DASHER_ATTRIBUTE_SCORE		0
DASHER_ONBOARDING_SCORE		0
DASHER_WAIT_SECS		-399
DAT_BONUS		2.733333333
DAT_WEIGHT		
DELIVERY_ID		1023403527
DELIVERY_PACKAGE_IDS		Set(1023403527)
DELIVERY_PACKAGE_SIZE		1
DELIVERY_TIME_WEIGHT		
DELIVERYTIME_BONUS		-1.936666667
DR_TRACK_TIME_MILLIS		1603437249782
DRA_ID		deep-red
DROPOFF_TIME		1603438653

EQUIPMENT_PRIORITY_SCORE		0
EST_DELIVERY_TIME		1603439234
EVENT_CREATED_AT		44127.30149
FLF		1.252747253
IDEAL_FLF		1.46
IS_CLONE_DASHER		
IS_PROD		TRUE
IS_SEMI_IDLE_DASHER		
IS_SHIFT_TOO_LATE_TO_INTERLACE		TRUE
LATENESS_BONUS		0
LATENESS_WEIGHT		
MARKET_SHORTNAME		SD
MESSAGE_UUID		743482d0-e2b6-44a2-a61d-a5d6752d6813
METADATA		
ORDER_READY_ESTIMATION_SOURCE		ETA_PREDICTED_PICKUP_TIME
ORDER_READY_TIME		1603437729
PACKAGE_TYPE		
PICKUP_TIME		1603438128

ROUTE		[{"delivery_id": 1023400625,"type": "pickup","ts": 1603437649,"trl_Source": "STRAIGHTLINE","dist": 42,"trl_Tm": 9,"prk_Tm": 60,"wait_secs": 351},{"delivery_id": 1023400625,"type": "dropoff","ts": 1603437833,"trl_Source": "STRAIGHTLINE","dist": 556,"trl_Tm": 124,"prk_Tm": 60},{"delivery_id": 1023403527,"type": "pickup","ts": 1603438128,"trl_Source": "STRAIGHTLINE","dist": 1053,"trl_Tm": 235,"prk_Tm": 60,"wait_secs": -399},{"delivery_id": 1023403527,"type": "dropoff","ts": 1603438653,"trl_Source": "STRAIGHTLINE","dist": 2080,"trl_Tm": 465,"prk_Tm": 60}]
ROUTE_IS_ALL_PICKUP _BEFORE_DROPOFF		FALSE
ROUTE_IS_APPEND_BA TCH		TRUE
ROUTE_IS_BATCH		TRUE

ROUTE_IS_INTERLACED		FALSE
ROUTE_IS_SAME_BLOCK_BATCH		FALSE
ROUTE_IS_SAME_PICKUP_BLOCK_INTERLACED_BATCH		FALSE
ROUTE_IS_SAME_STORE_BATCH		FALSE
ROUTE_IS_SAME_STORE_INTERLACED_BATCH		FALSE
ROUTE_IS_SEQUENTIAL		TRUE
ROUTE_SOURCE		ALPHADASH
ROUTE_TYPE		P1D1P0D0
SAME_STORE_BONUS		0
SHIFT_ID		511464746
SHOULD_NOT_BATCH		FALSE
SHOULD_NOT_BATCH_DELIVERIES		
SP_ID		4709
SP_SET_ID		114
STORE_ARRIVAL_TIME		1603438128
TIMESTAMP		44127.30149
TOP_DASHER_BONUS_SCORE		0
URGENCY_BONUS_SCORE		0
VARIABILITY_SCORE		1.125

Schema - IGUAZU.SERVER_EVENTS_PRODUCTION.DEEPRED_FUTURE_DASHER_EVENT

Fields	Descriptions	Sample Value
ASSIGN_TIMESTAMP		2021-03-11 6:43:03
ASSIGNMENT_RUN_ID		dra:SEA_30_1615444983216
BATCHING_ADJUSTMENT		0
COMMON_ASSIGNMENT_RUN_ID		dra:SEA_30_1615444983216
COMPOSITE_SCORE		999999999
CUTOFF_TIMESTAMP		2021-03-11 6:42:20
DASHER_ATTRIBUTE_SCORE		0
DASHER_ONBOARDING_SCORE		0
DAT_BONUS		0
DELIVERY_ID		1499199514
DELIVERY_TIME_BONUS		0
DRA_ID		deep-red
EQUIPMENT_PRIORITY_SCORE		0
EVENT_CREATED_AT		2021-03-11 6:43:07
IS_MATCHED		FALSE
IS_PRED_WAIT		
IS_PROD		TRUE
LATENESS_BONUS		999999999

MARKET_SHORTNAME		SEA
METADATA		
ROUTE		
ROUTE_START_TIMESTAMP		
SAME_STORE_BONUS		0
SP_ID		655
SP_SET_ID		30
TARGET_D2R		-1
TARGET_WAIT		-1
TOP_DASHER_BONUS_SCORE		0
URGENCY_BONUS_SCORE		0
VARIABILITY_SCORE		0
WAIT_SECS		-1

Schema - IGUAZU.SERVER_EVENTS_PRODUCTION.DEEPRED_CONSIDERED_DELIVERY_STATS

Fields	Descriptions	Sample Value
ACCEPTANCE_RATE_ON_CHECK_IN		0
ASSIGNED_TIMESTAMP		2021-03-11 6:43:43
ASSIGNMENT_RUN_ID		dra:CBUS_119_1615445023643
BATCHING_ADJUSTMENT		0
CLONE_DASHER_TYPE		None
COMMON_ASSIGNMENT_RUN_ID		dra:CBUS_119_1615445023643

COMPOSITE_SCORE		30.99918134
DASHER_ATTRIBUTE_SCORE		0
DASHER_ONBOARDING_SCORE		0
DAT_BONUS		5.616666667
DAT_WEIGHT		1.3
DELIVERY_ID		1499204297
DELIVERY_PACKAGE_IDS		Set(1499204297)
DELIVERY_PACKAGE_SIZE		1
DELIVERY_TIME_BONUS		5.44
DELIVERY_TIME_WEIGHT		5.44
DR_TRACK_TIME_MILLIS		2021-03-11 6:43:45
DRA_ID		deep-red
EQUIPMENT_PRIORITY_SCORE		0
EVENT_CREATED_AT		2021-03-11 6:43:44
FLF		3.5
IDEAL_FLF		1.66
IS_BATCH_WITH_DELIVERY_APPEND		TRUE
IS_CLONE_DASHER_ASSIGNMENT		FALSE
IS_FLF_HIGHER_THAN_THRESHOLD_FLF		TRUE
IS_HIGH_AR_TOP_DASHER		FALSE
IS_INTERLACED_BATCH_DELAY		TRUE

IS_PROD		TRUE
IS_SEMI_IDLE_DASHER _ASSIGNMENT		FALSE
IS_SHIFT_AR_HIGHER_ THAN_DELAY_THRESH OLD		FALSE
LATENESS_BONUS		19.37751468
LATENESS_WEIGHT		1
MARKET_SHORTNAME		CBUS
METADATA		{}
NON_CAR_BONUS		0
ORDER_READY_ESTIM ATION_SOURCE		INSTANT_ASSIGN
ORDER_READY_TIMEST AMP		2021-03-11 6:32:40
PACKAGE_TYPE		
ROUTE_IS_ALL_PICKUP _BEFORE_DROPOFF		FALSE
ROUTE_IS_SAME_BLOC K_BATCH		FALSE
ROUTE_IS_SAM myE_PICKUP_BLOCK_IN TERLACED_BATCH		FALSE
ROUTE_IS_SAME_STOR E_BATCH		FALSE
ROUTE_IS_SAME_STOR E_INTERLACED_BATCH		FALSE
ROUTE_SOURCE		ALPHADASH
ROUTE_TYPE		P1P2D1D2P0D0

SAME_STORE_BONUS		0
SHIFT_ID		706651042
SHOULD_DELAY_DASHER_ASSIGNMENT		FALSE
SHOULD_NOT_BATCH_DELIVERIES		
SP_ID		4163
SP_SET_ID		119
TENTATIVE_ASSIGN		TRUE
TOP_DASHER_BONUS_SCORE		0
URGENCY_BONUS_SCORE		0
VARIABILITY_SCORE		1.6

Schema - IGUAZU.SERVER_EVENTS_PRODUCTION.DEEPRED_ASSIGNMENT_INFO_EVENT

Fields	Descriptions	Sample Value
ASSIGNMENT_ERROR		
ASSIGNMENT_ID		
ASSIGNMENT_RUN_ID		dra:SAU_128_1615450326825
COMMON_ASSIGNMENT_RUN_ID		dra:SAU_128_1615450326825
CONF_LATENCY		20
D2R_DISTANCE		1765
D2R_DURATION		394
D2R_ESTIMATION_SOURCE		STRAIGHTLINE

DASHER_WAIT_AT_STORE		263
DELIVERY_ID		1499263352
DELIVERY_PACKAGE_IDS		Set(1499263352)
DELIVERY_PACKAGE_SIZE		1
DELIVERY_SP_ID		7636
DR_TRACK_TIME_MILLIS		2021-03-11 8:12:08
DRA_ID		deep-red
DROPOFF_TIMESTAMP		2021-03-11 8:29:24
EVENT_CREATED_AT		2021-03-11 8:12:07
FLF		
FOOD_READY_ESTIMATION_SOURCE		ETA_PREDICTED_PICKUP_TIME
FOOD_READY_TIME		2021-03-11T08:24:16Z
IDEAL_FLF		
IS_PROD		TRUE
MARKET_SHORTNAME		SAU
METADATA		{}
PACKAGE_TYPE		
PARKING_DURATION		60
PICKUP_LX		
PICKUP_TIMESTAMP		2021-03-11 8:24:16
R2C_DISTANCE		1111
R2C_DURATION		248
R2C_ESTIMATION_SOURCE		STRAIGHTLINE
R2C_PARKING_DURATION		60

ROUTE_IS_ALL_PICKUP_BEFORE_DROPOFF		TRUE
ROUTE_IS_BATCH		FALSE
ROUTE_IS_BATCH_WITH_DELIVERY_APPENDED		FALSE
ROUTE_IS_INTERLACED		FALSE
ROUTE_IS_SAME_BLOCK_BATCH		FALSE
ROUTE_IS_SAME_PICKUP_BLOCK_INTERLACED_BATCH		FALSE
ROUTE_IS_SAME_STORE_BATCH		FALSE
ROUTE_IS_SAME_STORE_INTERLACED_BATCH		FALSE
ROUTE_IS_SEQUENTIAL		TRUE
ROUTE_SOURCE		ALPHADASH
ROUTE_TYPE		P0D0
SHIFT_ID		708486791
SHOULD_NOT_BATCH_DELIVERIES		
SINCE_LAST_LOCATION_UPDATE_DURATION		4
SP_ID		7636
SP_SET_ID		128

Schema - IGUAZU.SERVER_EVENTS_PRODUCTION.DEEPRED_SWITCHBACK_EXPOSURE

Fields	Descriptions	Sample Value
ASSIGNMENT_RUN_ID		dra:SEA_148_1614036488239
BLOCK_ID		448343
BUCKET		control
COMMON_ASSIGNMENT_RUN_ID		
DRA_ID		
EVENT_CREATED_AT		2021-02-22 23:28:11
EXPERIMENT_NAME		checkout_PUBLISH
EXPERIMENT_VERSION		1
GEO_UNIT		
IS_PROD		
MARKET_SHORTNAME		
METADATA		
REGION_ID		148
SP_SET_ID		
SWITCHBACK_LAYER		
SWITCHBACK_ZONE		
UNIT_ID		448343_148

Schema - IGUAZU.SERVER_EVENTS_PRODUCTION.DATA_BRIDGE_MODEL_EVENT

Column Name	Data Type	Usage	Example

created_at	Timestamp	Same as in other tracing table	
model_name	String	Key identifier for each model including version	"dynamic_batching"
version_id	Integer	Versioning index	1
env	String	Identifier for environment	"prod" OR "passive"w
assignment_run_id	String		"BAY_101_16223000"

ids	Json	IDs for further join with other analytics tables	{
			  "delivery_id": 12344,
			  "shift_id": 12345
			}

features	Json	All features used in calculation of final output	{
			  "original_dat_score": 3.45,
			  "is_idle_dasher": false,
			  "batch_opportunity_score": 1.23
			}

fallbacks	Json	Keys that we used default values in the model, with 1 indicating it's a fallback	{
			  "batch_opportunity_score": 1
			}

output	Double	Final result	2.456