

Support Package:-

```
Select t.TransactionID, t.PortallId, t.BookedOn, t.IsDomestic,fc.FlightClass,t.CAStatus, p2.AdditionalServiceType
,p2.AdditionalServiceId,pmt.AmountPaid ,
pmt.PaidFor,p3.number_of_passenger,can_fee.CancellationFee,exch.number_of_exchanges,exch.exchange_date,
c.Cancellation_Date ,CASE WHEN p2.AdditionalServiceType = 205 THEN 'Support_package_Premium'
      WHEN p2.AdditionalServiceType = 215 THEN 'Support_package_Platinum'
      ELSE 'other' END AS 'Package Type',
CASE WHEN t.PortallId = 85 THEN 'insanely_cheap_flights'
      WHEN t.PortallId = 91 THEN 'cheapoair_UK'
      WHEN t.PortallId = 92 THEN 'cheapoair'
      WHEN t.PortallId = 93 THEN 'cheapoair_canada'
      WHEN t.PortallId = 95 THEN 'one_travel'
      WHEN t.PortallId = 96 THEN 'royal_scenic'
      WHEN t.PortallId = 104 THEN 'travel_spot'
      WHEN t.PortallId = 105 THEN 'get_set_fly'
      WHEN t.PortallId = 115 THEN 'one_travel_canada'
      WHEN t.PortallId = 200 THEN 'cheapoair_australia'
      WHEN t.PortallId = 201 THEN 'cheapoair_mexico'
      WHEN t.PortallId = 202 THEN 'cheapoair_india'
      WHEN t.PortallId = 205 THEN 'cheapoair_espanol'
      WHEN t.PortallId = 206 THEN 'cheapoair_viajes'
      ELSE 'other' END AS 'portal_id'
      ,CASE WHEN ps.VerifiedCardDecline = 10 THEN 1 ELSE 0 END AS 'is_CCD'
      ,CASE WHEN t.CAStatus = 30 THEN 'payment_recieved'
      WHEN t.CAStatus = 40 THEN 'cancel_apply_refund'
      WHEN t.CAStatus = 50 THEN 'ticketed'
      WHEN t.CAStatus = 60 THEN 'voided'
      WHEN t.CAStatus = 53 THEN 'hold_for_credit'
      ELSE 'other'
      END AS 'booking_status'
      ,CASE WHEN c.Cancellation_Date IS NOT NULL AND t.CAStatus IN(53,60) THEN 1 ELSE 0 END AS 'is_cancelled'
      ,CASE WHEN pmt.AmountPaid = 0 THEN 1 ELSE 0 END AS 'AmtPaid_Flag'
      ,CASE WHEN t.BookedOn >= '2018-07-30' THEN 1 ELSE 0 END AS 'Post-Release'
      ,CASE WHEN t.Exchange_date IS NULL THEN 0 ELSE 1 END AS 'is_exchanged'
      ,CASE WHEN DATEDIFF(HOUR, t.BookedOn, c.Cancellation_Date) > 24 AND t.CAStatus IN(53,60) THEN 'Can_MT24'
      WHEN (DATEDIFF(HOUR, t.BookedOn, c.Cancellation_Date) <= 24 OR DATEDIFF(HOUR, t.BookedOn,
c.Cancellation_Date) = 0) AND t.CAStatus IN(53,60) THEN 'Can_LT24'
      ELSE 'Not Cancelled' END AS 'Cancellation_Hour'
      ,DATEDIFF(HOUR, t.BookedOn, c.Cancellation_Date) AS 'Hours_of_cancellation'
      ,CASE WHEN t.IsDomestic = 1 AND fc.FlightClass = 1 THEN 'Domestic_Economy'
      WHEN t.IsDomestic = 1 AND fc.FlightClass = 2 THEN 'Domestic_Business'
      WHEN t.IsDomestic = 1 AND fc.FlightClass = 3 THEN 'Domestic_First'
      WHEN t.IsDomestic=0 AND fc.FlightClass = 1 THEN 'International_Economy'
      WHEN t.IsDomestic=0 AND fc.FlightClass = 2 THEN 'International_Business'
      WHEN t.IsDomestic=0 AND fc.FlightClass = 3 THEN 'International_First'
      ELSE 'other' END AS 'FlightType_Class'
      ,CASE WHEN t.CAStatus = 53 THEN 1 ELSE 0 END AS 'Can_with_Future_Credit'
      ,CASE
      WHEN misc.ApplicationId = 0 OR misc.ApplicationId IS NULL THEN 'desktop'
      WHEN misc.ApplicationId IN (1, 8, 9) THEN 'mobile_site'
      WHEN misc.ApplicationId IN (2, 3, 4, 5, 6, 7) THEN 'app'
      END AS 'device'
```

```
,CASE FailureType
  WHEN 0 THEN 'NONE'
  WHEN 1 THEN 'AVAILABILITY'
  WHEN 2 THEN 'TICKETING'
  WHEN 3 THEN 'FARE_HAS_CHANGED'
  WHEN 4 THEN 'FARE_DOES_NOT_EXIST'
  WHEN 5 THEN 'FORMAT_ERROR'
  WHEN 6 THEN 'GDS_BOOKING_ERROR'
  WHEN 7 THEN 'DT_CHANGE_REQUEST_ERROR'
  WHEN 8 THEN 'PNR_CANCELATION_Fail'
  WHEN 9 THEN 'HOTEL_BOOKING_ERROR'
  WHEN 10 THEN 'HOTEL_BOOKING_ERROR_INVALID_CC'
  WHEN 11 THEN 'FAILED_DUE_TO_NO_TKT_AGREEMENT'
  WHEN 12 THEN 'FAILED_DUE_TO_MCT_PROBLEM'
  WHEN 13 THEN 'CONFIRMATION_NOT_RECEIVED'
  WHEN 14 THEN 'SEGMENT_AVAILABILITY'
  WHEN 15 THEN 'CREATE_TST_ERROR'
  WHEN 16 THEN 'CCD_Decline'
  WHEN 17 THEN 'NN_Segment'
  WHEN 18 THEN 'NO_FARE_FOR_CLASS_USED'
  WHEN 19 THEN 'NO_COMBINABLE_FARES_FOR_CLASS_USED'
  WHEN 20 THEN 'SSR_FARE_HIGHER_TO_GDS'
  WHEN 21 THEN 'CAR_TYPE_CHANGED_AT_BOOKING'
  WHEN 22 THEN 'APPLICATION_ERROR'
  WHEN 23 THEN 'CAR_PRE_AUTHORIZATION_FAILED'
  WHEN 24 THEN 'CAR_CREDIT_CARD_CAPTURE_FAILED'
  WHEN 25 THEN 'CURRENCY_CHANGED_AT_BOOKING_WITH_RATE_RULE_FAILURE'
  WHEN 26 THEN 'CC_AUTH_FAILED'
  WHEN 60 THEN 'FARE_INCREASE_SOLDOUT'
  WHEN 61 THEN 'FRAUD'
  ELSE 'Undefined'
END as 'FailureTypeDesc',
CASE EngineType
  WHEN 0 THEN 'None'
  WHEN 1 THEN 'SABRE'
  WHEN 2 THEN 'FARELOGIX'
  WHEN 3 THEN 'NFO'
  WHEN 4 THEN 'DTINTERNAL'
  WHEN 5 THEN 'WEBFARE'
  WHEN 6 THEN 'SABREICB'
  WHEN 7 THEN 'GALLEO'
  WHEN 8 THEN 'SKYLINKWS'
  WHEN 9 THEN 'AMADEUSCB'
  WHEN 10 THEN 'AMADEUSCB'
  WHEN 11 THEN 'TOURICO'
  WHEN 12 THEN 'PPWEBBOX'
  WHEN 13 THEN 'AUTOEUROPE'
  WHEN 14 THEN 'PRAVIATION'
  WHEN 15 THEN 'VIATOR'
  WHEN 16 THEN 'CARTRAWLER'
  WHEN 17 THEN 'PARK_N_FLY'
  WHEN 131 THEN 'HOTELCONNECTIONAPI'
  WHEN 132 THEN 'HOTELBOOKINGDOTCOM'
```

```

(
    [CreatedOn] BETWEEN CAST(dateadd(year,-1,GETDATE()-90) AS DATE) AND dateadd(year,-1,GETDATE())
)
)
AND
FailureType IN (-,3,4,14,60)
AND
FlowType IN (1, 30)
--analysis filters
--AND
--f.ValidatingCarrier = 'QF'
--AND f.AffiliateCode LIKE 'skyscanner%'
--AND f.EngineType NOT IN (1, 2, 6, 9, 10)
--ORDER BY CreatedOn
--AND (f.NewTotalFare - f.OldTotalFare) <= 0
--AND f.BookedTransactionID IS NULL
UNION ALL
SELECT 0 AS 'is_failure'
,t.TransactionID 'id'
, CASE WHEN t.PortallID = 85 THEN 'insanely_cheap_flights'
      WHEN t.PortallID = 91 THEN 'cheapoair_UK'
      WHEN t.PortallID = 92 THEN 'cheapoair'
      WHEN t.PortallID = 93 THEN 'cheapoair_canada'
      WHEN t.PortallID = 95 THEN 'one_travel'
      WHEN t.PortallID = 96 THEN 'royal_scenic'
      WHEN t.PortallID = 104 THEN 'travel_spot'
      WHEN t.PortallID = 105 THEN 'get_set_fly'
      WHEN t.PortallID = 115 THEN 'one_travel_canada'
      WHEN t.PortallID = 200 THEN 'cheapoair_australia'
      WHEN t.PortallID = 201 THEN 'cheapoair_mexico'
      WHEN t.PortallID = 202 THEN 'cheapoair_india'
      WHEN t.PortallID = 205 THEN 'cheapoair_espanol'
      WHEN t.PortallID = 206 THEN 'cheapoair_viajes'
      ELSE 'other'
    END AS 'portal_name'
,CASE WHEN misc.Applicationid = 0 OR misc.Applicationid IS NULL THEN 'desktop'
      WHEN misc.Applicationid IN (1, 8, 9) THEN 'mweb'
      WHEN misc.Applicationid IN (2, 3, 4, 5, 6, 7) THEN 'app'
    END AS 'device_type'
,NULL AS 'FailureTypeDesc'
,CASE t.EngineID
      WHEN 0 THEN 'None'
      WHEN 1 THEN 'SABRE'
      WHEN 131 THEN 'HOTELCONNEXIONAPI'
      WHEN 132 THEN 'HOTELBOOKINGDOTCOM'
      ELSE CONVERT(VARCHAR, EngineID)
    END as GDS
,CASE
      WHEN t.ClientAgentID > 0 THEN 'Call Center'
      WHEN misc.Applicationid in (0,11) or misc.Applicationid is null then 'Desktop Site'
      WHEN misc.Applicationid in (1,8,9) then 'Mobile Site' --Tablet Site=8,9
      WHEN misc.Applicationid = 2 THEN 'App iPhone'

```

```

SELECT [FailureID]
      ,[FailureType]
      ,[FailureReferenceID]
FROM [FarportalReport].[dbo].[DTFailures]
where [CreatedOn] >= '2018-07-24' AND [CreatedOn] < '2018-07-25'
AND
case when CHARINDEX('-',[FlightDate]) =0 then
convert(date,datascience.dbo.[ReplaceMonth](REPLACE(Rtrim([FlightDate]),',','')))
else convert(cate,datascience.dbo.[ReplaceMonth](Replace(Rtrim(left([FlightDate],CHARINDEX('-',[FlightDate])-1)),',','')))
end is null
and FailureReason ='UNABLE TO TICKET, PLEASE CHECK THE DETAILS' and FailureType=2;

```

Function creation :-

```

--Create Mapping Table for the function
--Ref Link
--https://stackoverflow.com/questions/13051847/replacing-characters-in-a-string-based-on-rows-in-a-table-sql
CREATE TABLE dbo.MonthMappings (
      Month_ES varchar(20),
      Month_US varchar(20),
);

```

```

insert into dbo.MonthMappings(Month_ES,Month_US)
Values('ene','Jan'),
('abr','Apr'),
('ago','Aug'),
('dic','Dec')

```

```

declare @s varchar(50)='14 ene. 2018'
select @s = REPLACE(@s, Month_ES, Month_US)
      from dbo.MonthMappings
select * from dbo.MonthMappings
--Create a function in the datascience database to replace the month in spansih abbr. to english abbr.
--Based on the Mapping Table dbo.MonthMappings

```

```

CREATE FUNCTION [datascience].[dbo].[ReplaceMonth](
      @text varchar(100)
)RETURNS VARCHAR(100)
AS
BEGIN
      SELECT @text =
      REPLACE(@text,mm.Month_ES, mm.Month_US)
      FROM dbo.MonthMappings mm;
      RETURN @text
END
--Test
declare @string varchar(100) = '26 ene. 2017-'
select
case when CHARINDEX('-',@string) =0 then
convert(date,datascience.dbo.[ReplaceMonth](REPLACE(Rtrim(@string),',','')))
else
convert(date,datascience.dbo.[ReplaceMonth](Replace(Rtrim(left(@string,CHARINDEX('-',@string)-1)),',','')))

```