

Objetivos



Escenarios de Power BI

- Azure Analysis Services
- Del bosque a la hoja: demo Taxi NYC



Escenarios de Power BI

Power BI

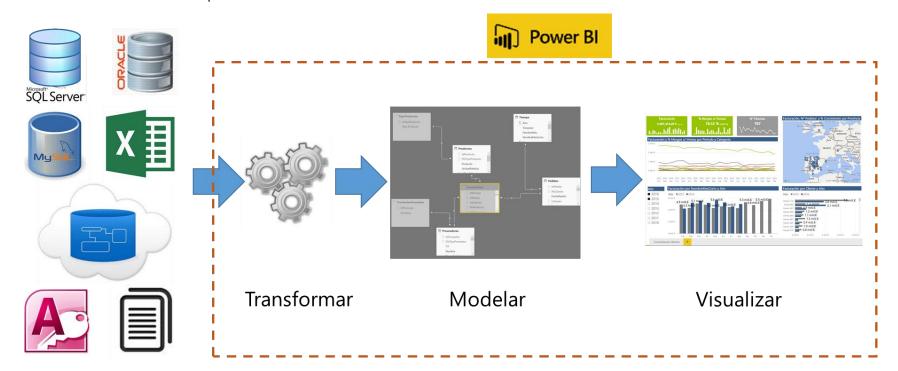




Escenarios de Power BI

OTHER BILLISER GROUPS

Personal - Departamental







¿Cuántas filas caben en mi Power BI?







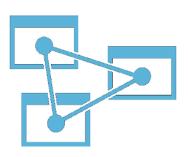








Power Bl



Azure Analysis Services





SSAS Tabular





Mes	Producto	País	Importe
Enero	Bicicletas	España	51.352
Enero	Calzado	España	47.847
Enero	Calzado	Francia	41.748
Enero	Calzado	Italia	84.471
Febrero	Bicicletas	España	64.475
Febrero	Calzado	España	51.214
Febrero	Calzado	Francia	63.894
Febrero	Calzado	Italia	49.623





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Mes

Enero

Enero

Enero

Enero

Febrero

Febrero

Febrero

Febrero

...



Mes	Inicio	Fin
Enero	1	4
Febrero	5	8





¿Cuántas Caben en mi Power BI?

¿Cuánto espacio cabe en mi Power BI?

Quiero analizar miles de millones de filas





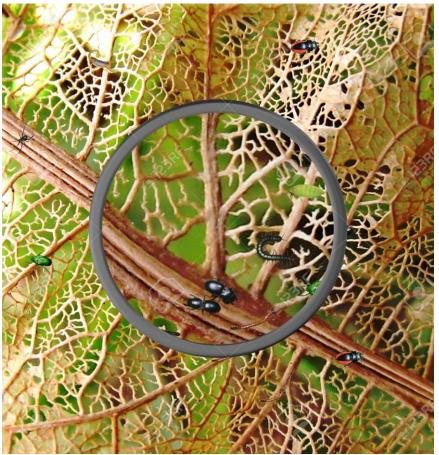


Quiero a







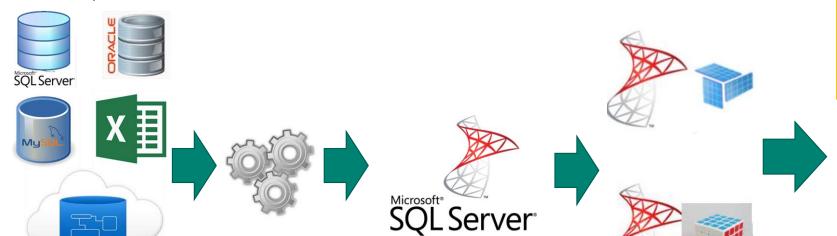




Corporativo On-Premise











SSIS

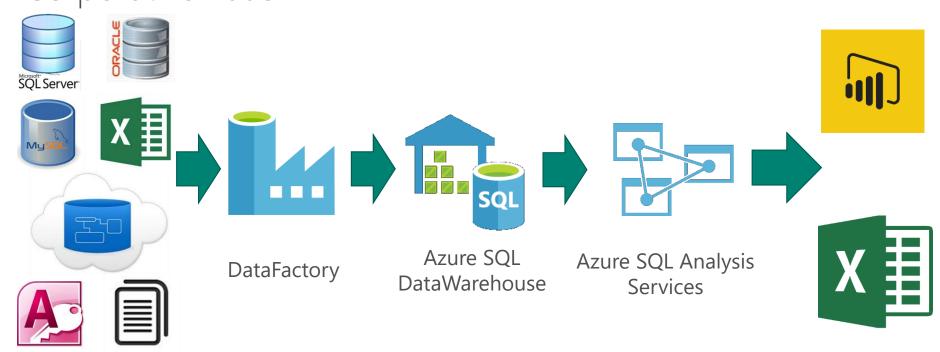
Data Warehouse SQL Server

Analysis Services
Tabular /
Multidimensional



Escenarios de Power Bl Corporativo PaaS

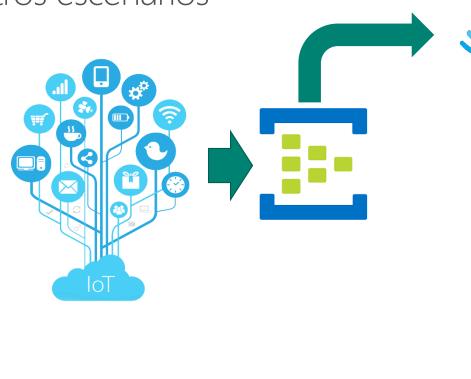






Escenarios de Power BI











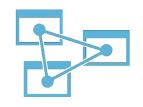




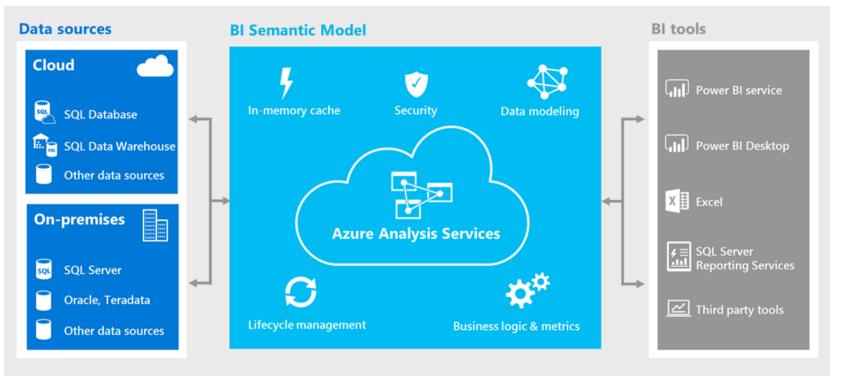




Azure Analysis Services

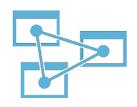








Demo Azure Analysis Services













Demo Taxi Nueva York



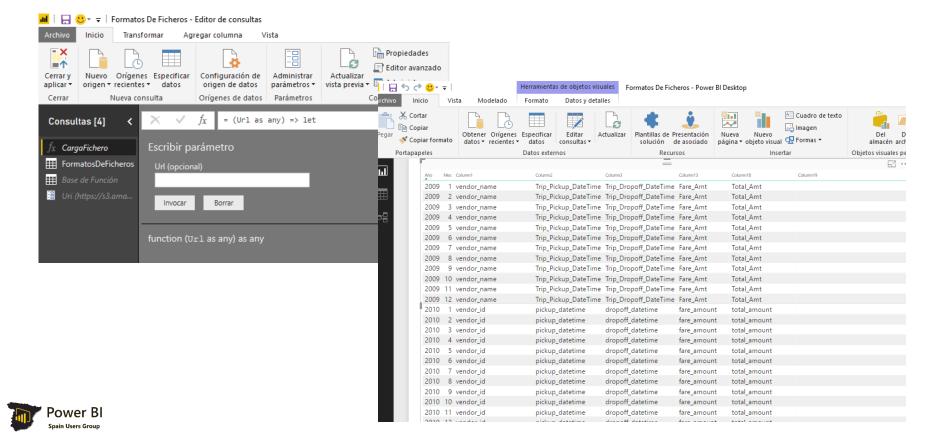
http://www.nyc.gov/html/tlc/html/about/trip_record_data.shtml

Prequently Asked Questions T.C. News T.C. Site Map T.C						
datasets were collected and provided to the NYC Taxi and Limousine Commission (TLC) by technology providers and authorized under the Taxicaba & Livery Passenger Enhancement Programs (TREC) PLPEP). The trip data was not created by the TLC, and TLC makes no representations as to the accuracy of these data. The For-Hire Vehicle ("FHV") trip records include fields capturing the dispatching base license number and the plock-up date, time, and taxi zone location ID (shape file below). These records are generated from the FHV Trip Record submissions made by bases. Note: The TLC publishes base trip record data as submitted by the bases, and we cannot guarantee or confirm brief are accuracy or completeness. Therefore, this may not represent the total amount of trips dispatched by all TLC-licensed bases. The TLC performs rounter eviews of the records and takes enforcement actions when necessary to ensure, to the extent possible, complete and accurate information. Trip Sheet Data (CSV Format) Trip Listance Passenger_count Trip Listance Trip Listance Trip Listance Trip Listance Trip Listance Trip Listance Pickup Longitude where the meter was engaged. Trip Listance The elapsed trip distance in miles reported by the taximeter. Pickup Longitude Longitude where the meter was engaged.	\leftarrow \rightarrow \circlearrowleft \diamondsuit	nyc.gov/html/tlc/html/about/trip_record_data.shtml				
TLC News TLC Site Map ContactVisit TLC The Fort-Hire Vehicle ("FHV") trip records are generated one at the Taxiota & Livery Passenger Enhancement Programs (TPEP/IPEP). The trip data was not oreside by the TLC, and TLC makes no representations as to the accuracy of these data. The Fort-Hire Vehicle ("FHV") trip records are generated from the FHV Trip Record submissions made by bases. Note: The TLC publishes bases as ubministed of the process are generated from the FHV Trip Record submissions made by bases. Note: The TLC publishes base in the confirm their accuracy or completeness. The rECV. This is a distributed to the confirm their accuracy or completeness. The rECV. The second data including TLC taxi zones can be decompleted and accurate information. Additional Information Trip Sheet Data (CSV Format) Data Dictionary - Yellow Taxi Trip Records September 28, 2015 Page 1 of 1 This data dictionary describes yellow taxi trip data. For dictionaries describing green taxi and FHV data, please visit https://www.nyc.gov/html/tlc/html/about/trip record data.shtml . This data dictionary describes yellow taxi trip data. For dictionaries describing green taxi and FHV data, please visit https://www.nyc.gov/html/tlc/html/about/trip record data.shtml . Field Name Description This data dictionary describes yellow taxi trip data. For dictionaries describing green taxi and FHV data, please visit https://www.nyc.gov/html/tlc/html/about/trip record data.shtml . For trip record data including TLC taxi zones can be found here. A shapefile containing the boundaries for the taxi zones can be found here. A shapefile containing the boundaries for the taxi zones can be found here. Trip Sheet Data (CSV Format) The formation of the confirm the Taxina and the Toxica and the Toxica and the Toxica and the	Frequently Asked Questions					
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corresponding boroughs for each ID can be found here. A shapefile containing the boundaries for the taxi zones can be found here. Pay Summons Pay Summons Pay Other Fees Update License Information Additional Information Trip Sheet Data (CSV Format) Passenger_count Trip Sheet Data (CSV Format) Passenger_count The date and time when the meter was disengaged. The number of passengers in the vehicle. This is a driver-entered value. Trip_distance Pickup_longitude Diskup_longitude Trip_distance to meter was engaged. Trip_distance to miles reported by the taximeter. Pickup_longitude Diskup_lositude where the meter was engaged.	Online Transactions (LARS)		VendorID	A code indicating the TPEP provider that provided the record.		
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Pay Other Fees Update License Information Additional Information Passenger_count The number of passengers in the vehicle. This is a driver-entered value. Trip_distance Trip_distance Trip_distance in miles reported by the taximeter. Pickup_longitude Longitude where the meter was engaged.	Pay Renewal Fee	boundaries for the taxi zones can be found here.	tpep_pickup_datetime			
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I am a Pickup_latitude Latitude where the meter was engaged.		→ 2014	Pickup_longitude	Longitude where the meter was engaged.		
	I am a	≥ 2013	Pickup_latitude	Latitude where the meter was engaged.		
Choose One The final rate code in effect at the end of the trip.	Choose One V	≥ 2012	RateCodeID	The final rate code in effect at the end of the trip.		
I am here to		→ 2011				
Please select an option above > 2010	Please select an option above ∨	→ 2010		2 33444.2		
2009 2=JFK		» 2009				

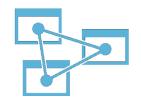


Formatos





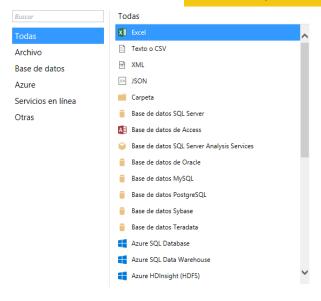
Azure Analysis Services

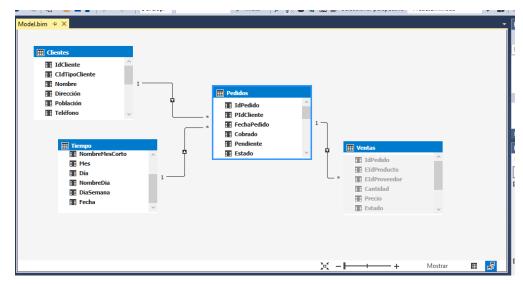




Obtener datos

Experiencia Power BI





Transformación

Conectar

Cancelar

Modelo de Datos



Particiones en AAS

- Optimiza consumo de memoria
- Permite anexar distintos orígenes



	n partes lógicas que se puedan procesar de forma independiente.		
abla: Yellowi	- Faxi		
		Buscar nombres de partición	\$
Nombre de la partición	Último procesado		
2009	Nunca		
2010	Nunca		
2011	Nunca		
Nombre de la partición: [2011] Expresión de consulta: let Source = #"SQL/nextstepdw data dbo_V_YellowTaxi = Source{[Sche			-
"Pickup_latitude", "Dropoff_longitude "DurationInSeconds", "MinuteKey"}), #"Filas filtradas" = Table.SelectRo	ole.SelectColumns(dbo_V_YellowTaxi,{"Pickup_date", "Passenger_count", "Trip =", "Dropoff_latitude", "Payment_type", "Total_amount", "DriverId", "PULocati	onID", "DOLocationID",	
"Pickup_latitude", "Dropoff_longitude" "DurationInSeconds", "MinuteKey")) #"Filas filtradas" = Table.SelectRc 31)), #"Indice agregado" = Table.AddIr	ple.SelectColumns(dbo_V_YellowTaxi,{"Pickup_date", "Passenger_count", "Trip", "Tropoff_latitude", "Payment_type", "Total_amount", "DriverId", "PULocatii, "ws(#"Otras columnas quitadas", each [Pickup_date] >= #date(2011, 1, 1) andexColumn(#"Filas filtradas", "indice", 2000000000, 1), " = Table.RenameColumns(#"Indice agregado",{{"Indice", "IdViaje"}})	onID", "DOLocationID",	











Del Bosque a la hoja



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EVALUATE

( CALCULATETABLE ( 'YellowTaxi', YellowTaxi[IdViaje] = 1112719186 ) )
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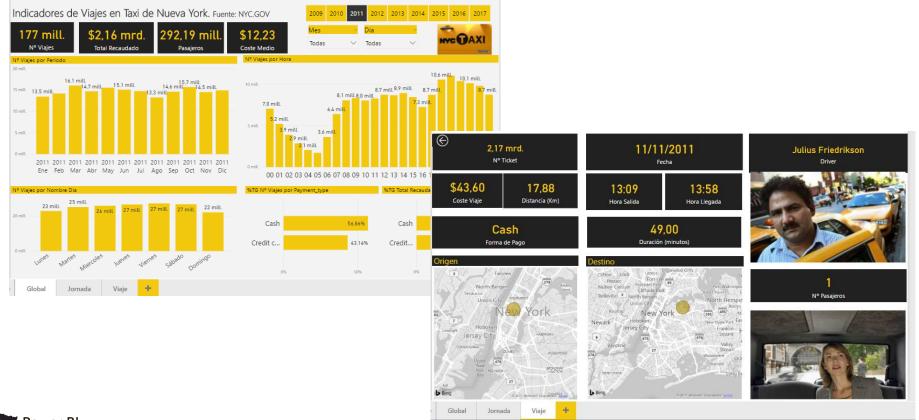
100 % 🕶 🖣						
☐ Messages Ⅲ Results						
YellowTaxi[Pickup_date]	YellowTaxi[Pass	YellowTaxi[Trip	YellowTaxi[Pick	YellowTaxi[Pick	YellowTaxi[Drop	YellowTaxi[Drop
11/06/2010 0:00:00	1	36,04	-73,85166	40,661323	-74,335137	40,56191

asazure://westeurope.asazur... | joseluis.cano@next-ste... | NYC_Taxt | 00:00:01



Del Bosque a la hoja







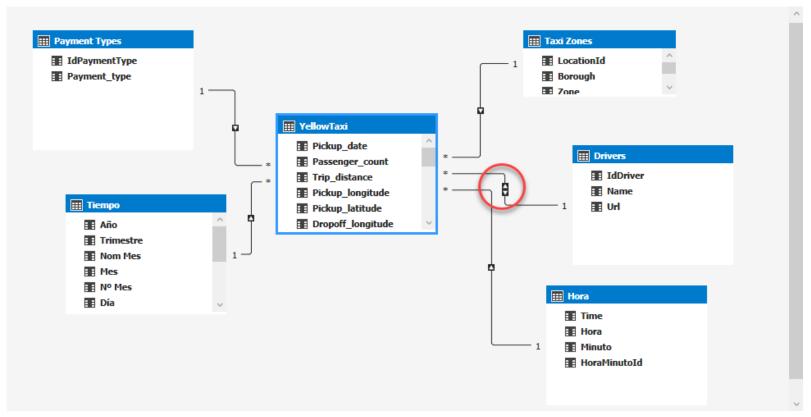
Visualizar Detalle – Novedad Sep 2017





Relación de doble filtro







¡Muchas gracias!

José Luis Cano Next-Step Consultores