# Getting Started with Geo Analysis in SAS® Visual Analytics

Robby Powell









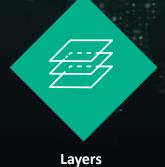
**Points of Interest/Geo Selection** 



Geocode/Geo-enrich



Clustering



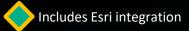
2

Routing



**Custom Shapes** 







**Points of Interest/Geo Selection** 



Clustering



Routing



Layers

Custom Shapes

**S**sas

# SAS<sup>®</sup> Visual Analytics

Geo Analytics Demo



Geo Analytics Example Reports



# NYC CABS

Source: New York City Tool and Limousine Commission (Tr.C) - Trip Record Data, Nttps://expendata.cityofnewyork.us Danign: Falka Schuld-Nas.usm Product: SAS Vitual Analytics, SAS Vitya

Average Trip Duration

0:15:46

Businet day (number of trips)

256K

Feb/14/2020

Day with highest total miles.

713K Feb/27/2020

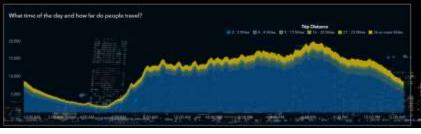
Trips made by New York City's iconic vellow taxis as recorded and provided to the TLC between January and June 2020. Vellow tasis and traditionally hailed by signaling to a driver who is on duty and seeking a passenger (street hail), but now they may also be haifed using an e-haif. app like Curb or Arm.

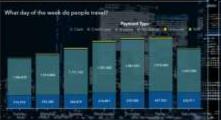
Yellow taxis are the only vehicles permitted to respond to a street hall from a passenger in all five boroughs.

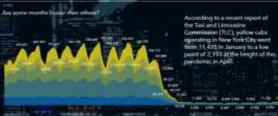












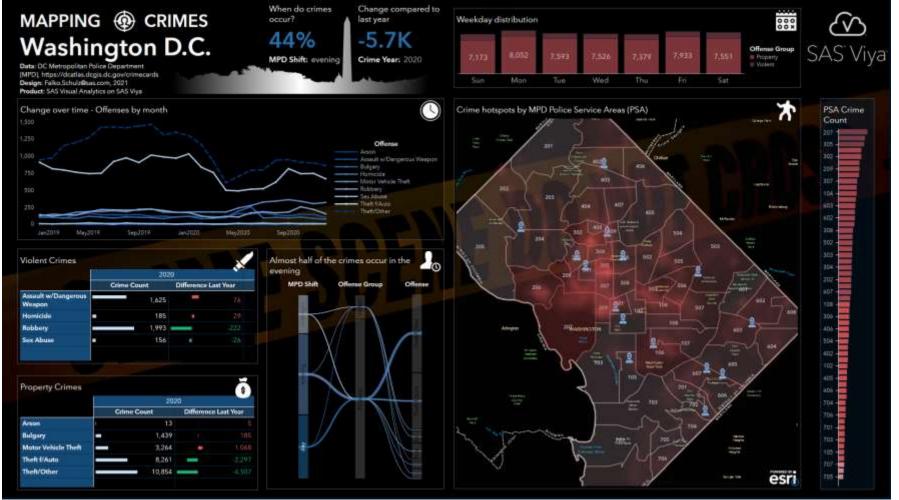
More than 70% of all trips.

carry f or 2 passessigers

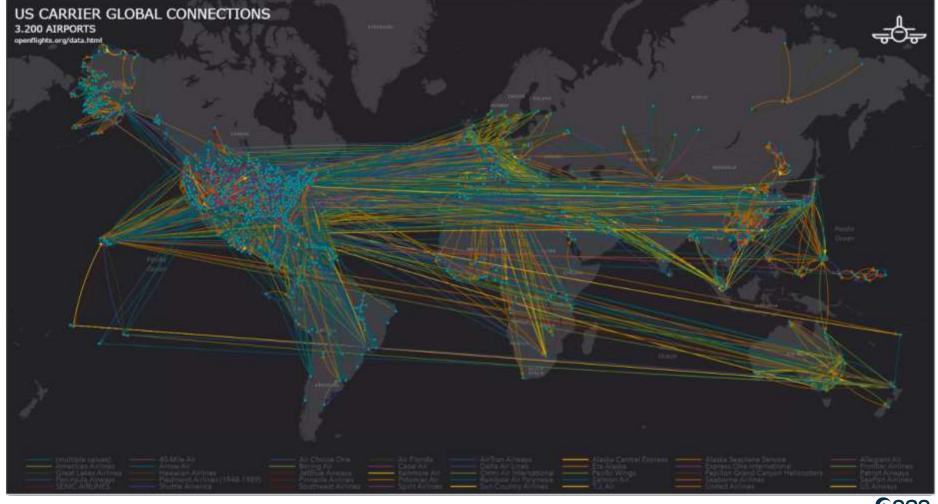


Number of passengers by Pickup TLC Taxi Zo











### **Bus Routes**

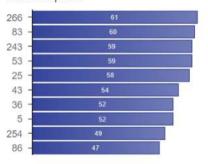
166

# TRANSPORT FOR LONDON

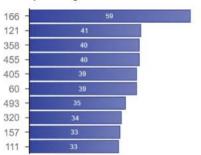
Data: https://tfl.gov.uk



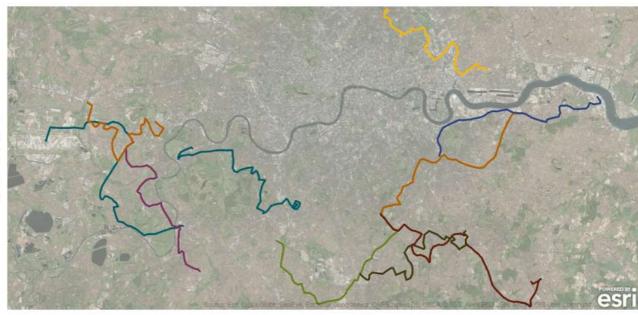
## Most frequent



## Most passengers







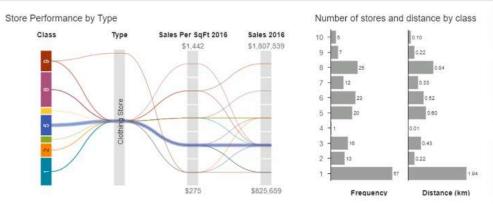
One of the largest bus networks in the world, with more than 9,300 vehicles in the fleet. Our subsidiary company, London Bus Services Ltd, plans routes, specifies service levels and monitors service quality. It is also responsible for around 50 bus stations and more than 19,000 bus stops.



# ONTARIO MILLS

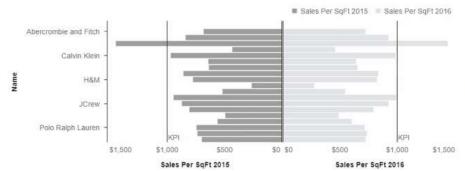
# Retail Store Performance Analysis







#### Sales Per Square Foot Performance





Ontario Mills®, California's largest outlet and value retail shopping destination, is an indoor climate-controlled mall providing the ultimate shopping experience with more than 200 stores boasting some of the biggest names in men's, women's and children's apparel, jewelry, sporting goods, footwear and more.



# **SAS Visual Analytics Gallery**



https://communities.sas.com/t5/SAS-Visual-Analytics-Gallery/tkb-p/vagallery or search for "Visual Analytics Gallery"



# **Explore Helpful Resources**

### **Ask the Expert**

View other user webinars that provide insights into using SAS products to make your job easier.

### **FREE Training**

Learn from home - free for 30 days. Get software labs to practice and online support if needed.

### **SAS Support Communities**

Ask questions, get answers and share insights with SAS users.

### **SAS Analytics Explorers**

An exclusive platform to collaborate, learn and share your expertise. Gain access to a diverse network to advance your career. Special rewards and recognition exclusively for SAS users.

### SAS Users YouTube Channel

A plethora of videos on hundreds of topics, just for SAS users.

### **Newsletters**

Get the latest SAS news plus tips, tricks and more.

### **Users Groups**

Meet local SAS users, network and exchange ideas – virtually.

### **SAS Profile**

If you haven't already done so, create your SAS Profile to access free training, SAS Support Communities, technical support, software downloads, newsletters and more.

