DAX   
Category – Copy from If  
  
  
if Text.Contains([Description], "Eating Places") or Text.Contains([Description], "Restaurants") or Text.Contains([Description], "Fast Food") then "Food"

else if Text.Contains([Description], "Service Stations") or Text.Contains([Description], "Gas") or Text.Contains([Description], "Tolls") or Text.Contains([Description], "Car Washes") or Text.Contains([Description], "Automotive") or Text.Contains([Description], "Truck") then "Automotive"

else if Text.Contains([Description], "Amusement") or Text.Contains([Description], "Carnivals") or Text.Contains([Description], "Theaters") or Text.Contains([Description], "Sports") or Text.Contains([Description], "Recreational") or Text.Contains([Description], "Clubs") then "Entertainment"

else if Text.Contains([Description], "Supermarkets") or Text.Contains([Description], "Grocery") or Text.Contains([Description], "Food Stores") or Text.Contains([Description], "Wholesale") or Text.Contains([Description], "Discount Stores") or Text.Contains([Description], "Department Stores") then "Retail"

else if Text.Contains([Description], "Utilities") or Text.Contains([Description], "Electric") or Text.Contains([Description], "Gas") or Text.Contains([Description], "Water") or Text.Contains([Description], "Sanitary") or Text.Contains([Description], "Telecommunication") or Text.Contains([Description], "Cable") or Text.Contains([Description], "Satellite") then "Utilities"

else if Text.Contains([Description], "Doctors") or Text.Contains([Description], "Physicians") or Text.Contains([Description], "Hospitals") or Text.Contains([Description], "Dentists") or Text.Contains([Description], "Pharmacies") or Text.Contains([Description], "Chiropractors") or Text.Contains([Description], "Medical") or Text.Contains([Description], "Podiatrists") then "Healthcare"

else if Text.Contains([Description], "Book Stores") or Text.Contains([Description], "Books") or Text.Contains([Description], "Periodicals") or Text.Contains([Description], "Music") or Text.Contains([Description], "Digital Goods") then "Media"

else if Text.Contains([Description], "Cleaning") or Text.Contains([Description], "Maintenance") or Text.Contains([Description], "Laundry") or Text.Contains([Description], "Tax Preparation") or Text.Contains([Description], "Legal Services") or Text.Contains([Description], "Accounting") or Text.Contains([Description], "Auditing") or Text.Contains([Description], "Insurance") or Text.Contains([Description], "Travel Agencies") or Text.Contains([Description], "Security Services") or Text.Contains([Description], "Detective") then "Services"

else if Text.Contains([Description], "Florists") or Text.Contains([Description], "Gardening") or Text.Contains([Description], "Nursery Stock") or Text.Contains([Description], "Flowers") then "Floristry"

else if Text.Contains([Description], "Building Materials") or Text.Contains([Description], "Lumber") or Text.Contains([Description], "Hardware Stores") or Text.Contains([Description], "Lighting") or Text.Contains([Description], "Fixtures") or Text.Contains([Description], "Floor Covering") or Text.Contains([Description], "Home Furnishing") or Text.Contains([Description], "Drapery") then "Home"

else if Text.Contains([Description], "Steel") or Text.Contains([Description], "Metal") or Text.Contains([Description], "Machinery") or Text.Contains([Description], "Fabricated Products") or Text.Contains([Description], "Welding") or Text.Contains([Description], "Ironwork") or Text.Contains([Description], "Semiconductors") then "Manufacturing"

else if Text.Contains([Description], "Airlines") or Text.Contains([Description], "Passenger Railways") or Text.Contains([Description], "Bus Lines") or Text.Contains([Description], "Railroad") or Text.Contains([Description], "Motor Freight") or Text.Contains([Description], "Ship Chandlers") or Text.Contains([Description], "Postal Services") or Text.Contains([Description], "Cruise Lines") or Text.Contains([Description], "Towing Services") then "Transport"

else if Text.Contains([Description], "Beauty") or Text.Contains([Description], "Barber") or Text.Contains([Description], "Cosmetic") or Text.Contains([Description], "Women's Ready-To-Wear") or Text.Contains([Description], "Clothing") or Text.Contains([Description], "Shoe Stores") or Text.Contains([Description], "Sports Apparel") or Text.Contains([Description], "Leather Goods") then "Apparel"

else "Miscellaneous"

Calender Table DAX  
  
calendar =

VAR BaseCalendar =

CALENDAR(DATE(2022, 1, 1), DATE(2024, 12, 31))

RETURN

ADDCOLUMNS(

BaseCalendar,

"Year", YEAR([Date]),

"Quarter", QUARTER([Date]),

"Month No", MONTH([Date]),

"Week Num", WEEKNUM([Date]),

"Week Day", WEEKDAY([Date]),

"Day", DAY([Date]),

"Month Name", FORMAT([Date], "MMMM"),

"Month Short", FORMAT([Date], "MMM"),

"Week", FORMAT([Date], "dddd"),

"Quarter Number", "Q" & QUARTER([Date]),

"Year Month", FORMAT([Date], "YYYY MMMM"),

"Year Month Sort", YEAR([Date]) \* 100 + MONTH([Date]),

"Weekending", [Date] + (7 - WEEKDAY([Date]))

)

TimeCategory =

SWITCH(

TRUE(),

HOUR(Fact\_transactions\_data[time]) >= 0 && HOUR(Fact\_transactions\_data[time]) < 6, "12 AM - 5:59 AM",

HOUR(Fact\_transactions\_data[time]) >= 6 && HOUR(Fact\_transactions\_data[time]) < 12, "6 AM - 11:59 AM",

HOUR(Fact\_transactions\_data[time]) >= 12 && HOUR(Fact\_transactions\_data[time]) < 18, "12 PM - 5:59 PM",

HOUR(Fact\_transactions\_data[time]) >= 18 && HOUR(Fact\_transactions\_data[time]) < 21, "6 PM - 8:59 PM",

HOUR(Fact\_transactions\_data[time]) >= 21 && HOUR(Fact\_transactions\_data[time]) < 24, "9 PM - 11:59 PM"

)

merchant\_state 2 =

SWITCH(

TRUE(),

Fact\_transactions\_data[merchant\_state] = "AK", "Alaska",

Fact\_transactions\_data[merchant\_state] = "AL", "Alabama",

Fact\_transactions\_data[merchant\_state] = "AR", "Arkansas",

Fact\_transactions\_data[merchant\_state] = "AZ", "Arizona",

Fact\_transactions\_data[merchant\_state] = "CA", "California",

Fact\_transactions\_data[merchant\_state] = "CO", "Colorado",

Fact\_transactions\_data[merchant\_state] = "CT", "Connecticut",

Fact\_transactions\_data[merchant\_state] = "DE", "Delaware",

Fact\_transactions\_data[merchant\_state] = "DC", "District of Columbia",

Fact\_transactions\_data[merchant\_state] = "FL", "Florida",

Fact\_transactions\_data[merchant\_state] = "GA", "Georgia",

Fact\_transactions\_data[merchant\_state] = "HI", "Hawaii",

Fact\_transactions\_data[merchant\_state] = "IA", "Iowa",

Fact\_transactions\_data[merchant\_state] = "ID", "Idaho",

Fact\_transactions\_data[merchant\_state] = "IL", "Illinois",

Fact\_transactions\_data[merchant\_state] = "IN", "Indiana",

Fact\_transactions\_data[merchant\_state] = "KS", "Kansas",

Fact\_transactions\_data[merchant\_state] = "KY", "Kentucky",

Fact\_transactions\_data[merchant\_state] = "LA", "Louisiana",

Fact\_transactions\_data[merchant\_state] = "MA", "Massachusetts",

Fact\_transactions\_data[merchant\_state] = "MD", "Maryland",

Fact\_transactions\_data[merchant\_state] = "ME", "Maine",

Fact\_transactions\_data[merchant\_state] = "MI", "Michigan",

Fact\_transactions\_data[merchant\_state] = "MN", "Minnesota",

Fact\_transactions\_data[merchant\_state] = "MO", "Missouri",

Fact\_transactions\_data[merchant\_state] = "MS", "Mississippi",

Fact\_transactions\_data[merchant\_state] = "MT", "Montana",

Fact\_transactions\_data[merchant\_state] = "NC", "North Carolina",

Fact\_transactions\_data[merchant\_state] = "ND", "North Dakota",

Fact\_transactions\_data[merchant\_state] = "NE", "Nebraska",

Fact\_transactions\_data[merchant\_state] = "NH", "New Hampshire",

Fact\_transactions\_data[merchant\_state] = "NJ", "New Jersey",

Fact\_transactions\_data[merchant\_state] = "NM", "New Mexico",

Fact\_transactions\_data[merchant\_state] = "NV", "Nevada",

Fact\_transactions\_data[merchant\_state] = "NY", "New York",

Fact\_transactions\_data[merchant\_state] = "OH", "Ohio",

Fact\_transactions\_data[merchant\_state] = "OK", "Oklahoma",

Fact\_transactions\_data[merchant\_state] = "OR", "Oregon",

Fact\_transactions\_data[merchant\_state] = "PA", "Pennsylvania",

Fact\_transactions\_data[merchant\_state] = "RI", "Rhode Island",

Fact\_transactions\_data[merchant\_state] = "SC", "South Carolina",

Fact\_transactions\_data[merchant\_state] = "SD", "South Dakota",

Fact\_transactions\_data[merchant\_state] = "TN", "Tennessee",

Fact\_transactions\_data[merchant\_state] = "TX", "Texas",

Fact\_transactions\_data[merchant\_state] = "UT", "Utah",

Fact\_transactions\_data[merchant\_state] = "VT", "Vermont",

Fact\_transactions\_data[merchant\_state] = "VA", "Virginia",

Fact\_transactions\_data[merchant\_state] = "WA", "Washington",

Fact\_transactions\_data[merchant\_state] = "WI", "Wisconsin",

Fact\_transactions\_data[merchant\_state] = "WV", "West Virginia",

Fact\_transactions\_data[merchant\_state] = "WY", "Wyoming",

Fact\_transactions\_data[merchant\_state] = "Australia", "Australia",

Fact\_transactions\_data[merchant\_state] = "Canada", "Canada",

Fact\_transactions\_data[merchant\_state] = "China", "China",

Fact\_transactions\_data[merchant\_state] = "France", "France",

Fact\_transactions\_data[merchant\_state] = "Germany", "Germany",

Fact\_transactions\_data[merchant\_state] = "India", "India",

Fact\_transactions\_data[merchant\_state] = "Japan", "Japan",

Fact\_transactions\_data[merchant\_state] = "Mexico", "Mexico",

Fact\_transactions\_data[merchant\_state] = "Nigeria", "Nigeria",

Fact\_transactions\_data[merchant\_state] = "Russia", "Russia",

Fact\_transactions\_data[merchant\_state] = "Singapore", "Singapore",

Fact\_transactions\_data[merchant\_state] = "Spain", "Spain",

Fact\_transactions\_data[merchant\_state] = "United Kingdom", "United Kingdom",

Fact\_transactions\_data[merchant\_state] = "Oman", "Oman",

Fact\_transactions\_data[merchant\_state] = "Lebanon", "Lebanon",

ISBLANK(Fact\_transactions\_data[merchant\_state]), "Unknown",

"Unknown" -- Default for unmatched values

)

\_gradient =

SWITCH(

TRUE(),

[\_total transactions #] < 900, "#E0F3FF", -- Very light blue

[\_total transactions #] < 1000, "#C4E8FF", -- Lighter blue

[\_total transactions #] < 1500, "#A8DEFF", -- Soft blue

[\_total transactions #] < 2000, "#8DD2FF", -- Gentle light blue

[\_total transactions #] < 3000, "#6FC2FF", -- Light-medium blue

[\_total transactions #] < 4000, "#A0D1FF", -- Medium-light blue

[\_total transactions #] < 5000, "#70BBFF", -- Default mid-light blue

"#41A4FF" -- Fallback value

)