**Clean**

1. **تم تغيير أسماء الاعمده لسهوله الاستخدام**

|  |  |
| --- | --- |
| **الأسماء الجديده** | **الأسماء القديمة** |
| Subways | Subways: Total Estimated Ridership |
| Subways\_pre | Subways: % of Comparable Pre-Pandemic Day |
| Buses | Buses: Total Estimated Ridership |
| Buses\_pre | Buses: % of Comparable Pre-Pandemic Day |
| LIRR | LIRR: Total Estimated Ridership |
| LIRR\_pre | LIRR: % of Comparable Pre-Pandemic Day |
| Metro-North | Metro-North: Total Estimated Ridership |
| Metro-North\_pre | Metro-North: % of Comparable Pre-Pandemic Day |
| Access-A-Ride | Access-A-Ride: Total Scheduled Trips |
| Access-A-Ride\_pre | Access-A-Ride: % of Comparable Pre-Pandemic Day |
| Bridges and Tunnels | Bridges and Tunnels: Total Traffic |
| Bridges and Tunnels\_pre | Bridges and Tunnels: % of Comparable Pre-Pandemic Day |
| Staten Island Railway | Staten Island Railway: Total Estimated Ridership |
| Staten Island Railway\_pre | Staten Island Railway: % of Comparable Pre-Pandemic Day |

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**تحليل الاتجاهات الزمنية**

* استخدم مخططات الخطوط (Line Charts) لمقارنة تغير عدد الركاب اليومي في وسائل النقل المختلفة قبل وأثناء الجائحة.

تم عمل مجموعه من معادلات ال Dax لحساب الاعداد قبل الجائحه حيث تمثل الاعداد الموجوده في الملف النسبة المئويه من الاعداد قبل الجائحه

Subways\_PrePandemic =

SUMX( MTA\_Daily\_Ridership, DIVIDE( MTA\_Daily\_Ridership[Subways] \* 100, MTA\_Daily\_Ridership[Subways\_pre], 0 ) )

StatenIslandRailway\_PrePandemic =

SUMX(

    MTA\_Daily\_Ridership,

    DIVIDE( MTA\_Daily\_Ridership[Staten Island Railway] \* 100, MTA\_Daily\_Ridership[Staten Island Railway\_pre], 0 )

)

MetroNorth\_PrePandemic =

SUMX(

    MTA\_Daily\_Ridership,

    DIVIDE( MTA\_Daily\_Ridership[Metro-North] \* 100, MTA\_Daily\_Ridership[Metro-North\_pre], 0 )

)

LIRR\_PrePandemic =

SUMX(

    MTA\_Daily\_Ridership,

    DIVIDE( MTA\_Daily\_Ridership[LIRR] \* 100, MTA\_Daily\_Ridership[LIRR\_pre], 0 )

)

Buses\_PrePandemic =

SUMX(

    MTA\_Daily\_Ridership,

    DIVIDE( MTA\_Daily\_Ridership[Buses] \* 100, MTA\_Daily\_Ridership[Buses\_pre], 0 )

)

BridgesTunnels\_PrePandemic =

SUMX(

    MTA\_Daily\_Ridership,

    DIVIDE( MTA\_Daily\_Ridership[Bridges and Tunnels] \* 100, MTA\_Daily\_Ridership[Bridges and Tunnels\_pre], 0 )

)

AccessARide\_PrePandemic =

SUMX(

    MTA\_Daily\_Ridership,

    DIVIDE( MTA\_Daily\_Ridership[Access-A-Ride] \* 100, MTA\_Daily\_Ridership[Access-A-Ride\_pre], 0 )

)

تم عمل معادلتين Dax لحساب اجمالى الاعداد قبل وبعد الجائحه

Total\_Ridership =

SUM( MTA\_Daily\_Ridership[Subways] ) +

SUM( MTA\_Daily\_Ridership[Buses] ) +

SUM( MTA\_Daily\_Ridership[LIRR] ) +

SUM( MTA\_Daily\_Ridership[Metro-North] ) +

SUM( MTA\_Daily\_Ridership[Access-A-Ride] ) +

SUM( MTA\_Daily\_Ridership[Bridges and Tunnels] ) +

SUM( MTA\_Daily\_Ridership[Staten Island Railway] )

Total\_Ridership\_Pre =

    [Subways\_PrePandemic] +

    [Buses\_PrePandemic] +

    [LIRR\_PrePandemic] +

    [MetroNorth\_PrePandemic] +

    [AccessARide\_PrePandemic] +

    [BridgesTunnels\_PrePandemic] +

    [StatenIslandRailway\_PrePandemic]