Excel function:

Day\_type

=IF(H2="Y","Public Holiday", IF(G2="Y",IF(J2="N","School Holiday Weekday","Normal Weekday"),IF(F2="Sat","Saturday","Sunday")))

**Key Points:**

**First half of 2023**

**1.Average Recovery Rate:**

The average recovery rate from pre-COVID levels in 2023 is approximately 79% for buses, 86% for ferries, and 54% for trains. This indicates that ferry services have recovered the most in terms of patronage, while trains have the lowest recovery.

**2.Difference from Baseline:**

On average, bus patronage is about 57,140 riders below the baseline, ferry patronage is about 1,616 riders below the baseline, and train patronage is about 31,701 riders below the baseline. This highlights that all types of public transport are still underperforming compared to pre-COVID expectations.

**3:Total Patronage:**

In the first half of 2023, buses have the highest total patronage with over 1.14 million riders, followed by trains with approximately 224,696 riders, and ferries with around 46,804 riders. This suggests that buses are the most popular form of public transport in terms of total ridership

**Month to month:**

**4. Bus Patronage:**  
The recovery rate was lowest in January (68.2%) and peaked in April (82.7%).  
The patronage in January was about 56,502 riders below the 2019 baseline, and this deficit reduced to around 46,788 riders by June.

**5. Ferry Patronage:**  
The recovery rate was lowest in February (68.4%) and peaked in April (94.2%).  
The patronage in January was about 2,334 riders below the 2019 baseline, and this deficit reduced to around 834 riders by June.

**6. Train Patronage:**  
The recovery rate was lowest in January (37.6%) and peaked in March and June (around 61.9%).  
The patronage in January was about 30,028 riders below the 2019 baseline, and this deficit slightly reduced to around 26,318 riders by June.

* Buses, Ferries, and Trains have seen recovery compared to 2019, with the **Ferry** mode showing **the highest recovery rate**.
* **Bus** patronage has been strong, reaching nearly 90% of the baseline in June.
* **Ferry** patronage has demonstrated resilience, surpassing the 2019 baseline in June.
* **Trains** have a **lower** recovery rate, with a peak in June.
* **Month-to-month** trends show March as a turning point, with June exhibiting the highest recovery.
* **Weekend** recovery rates are generally higher than **weekdays**, indicating a preference for leisure travel. Buses, Ferries, and Trains have seen recovery compared to 2019, with the Ferry mode showing the highest recovery rate.
* Buses show higher recovery on weekends, while Ferries and Trains also have higher recovery rates on weekends.
* Notable patterns include a peak in recovery in June.
* These insights provide valuable information for strategic planning and adapting to evolving travel patterns in Auckland's public transport system.