

## Analysis and Insights

- Weekday passenger counts are significantly higher (e.g. Local Route ~16,000 – 17,000, Rapid Route ~19,000-25,000) than weekends (~3,500 and ~7,000, respectively). Peak Service and School drop to zero on weekends, critical for scheduling.
- Rapid Route leads with the highest passenger counts, followed by Local Route and Light Rail. School services are active only on school days, averaging ~4,800 passengers.
- Passenger numbers in 2024 nearly match 2019 pre-COVID levels, indicating robust demand recover, though hybrid work may slightly lower counts.
- Holidays like Christmas and New Year's show near-zero usage across services, essential for capacity planning.
- Low counts on September 25-29, 2024 (For ex., Local Route < 100), suggest errors or disruptions, requiring data cleaning for accurate forecasting.

