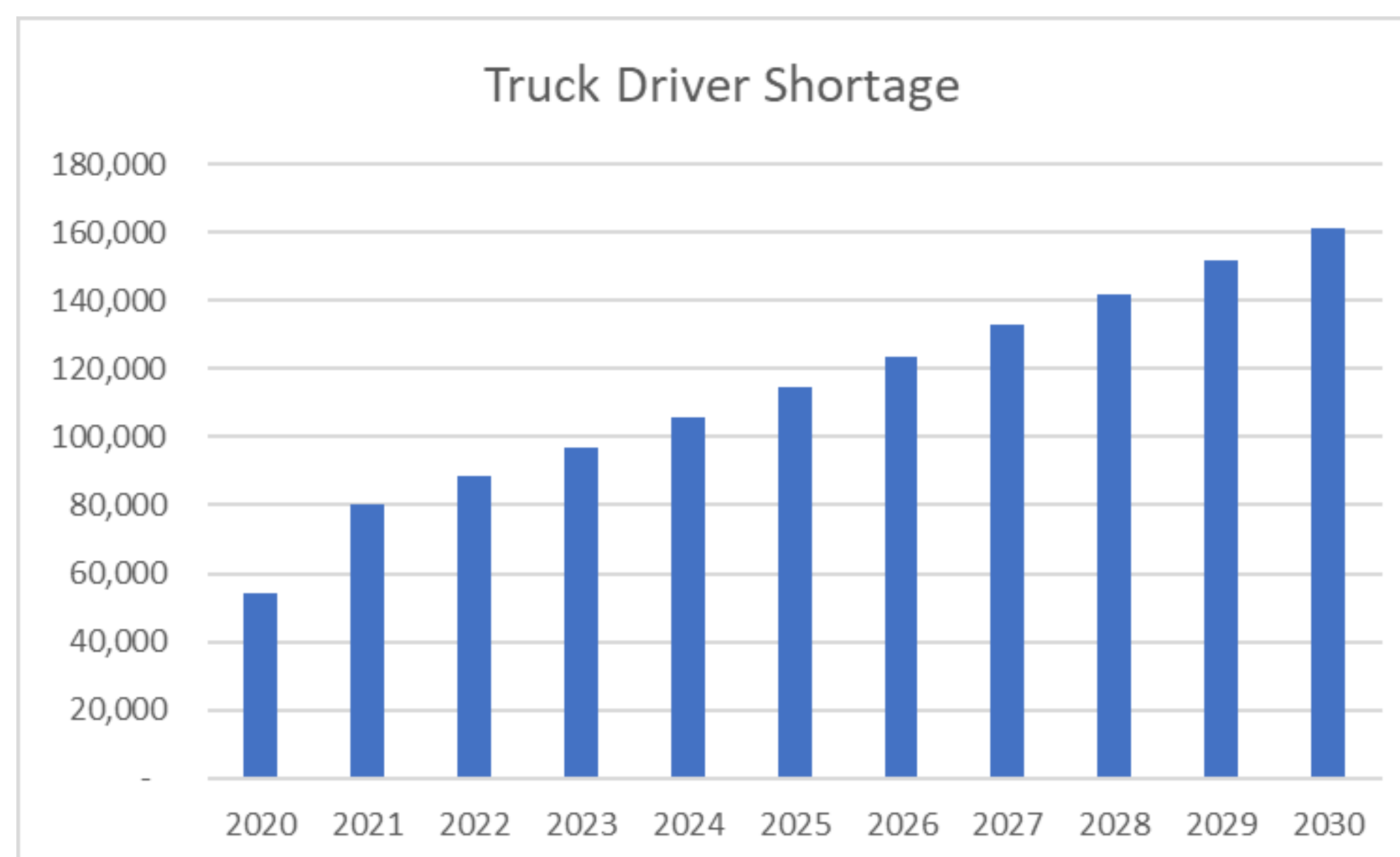


Overcoming the Driver Shortage by Addressing Driver Detention

Motivation / Background

ATRI reports that Driver shortage is the #1 issue faced by Trucking Industry.



Key Question / Hypothesis

- Is this a driver shortage or a Utilization crisis?
- Underutilization of truck driver due to:
 - Driver detention at the Freight points
 - Warehouse utilization over the weekends
 - Inefficient Dock Operations while loading/unloading

Relevant Literature

American Transportation Research Institute, [Critical Issues in the Trucking Industry - 2021](#).

Dr. David Correll (2019), [Is there a Truck Driver Shortage or a Utilization Crisis?](#)

Prof. Yossi Sheffi (2021), [The Upside of Pandemic-Induced Truck Driver Shortage](#)

yahoo/finance

Truck driver shortage: 'I've never quite seen it this bad' in 30 years, analyst says



Work on Weekends??



The Problem



A driver can drive 11 hours in a day as per HOS regulations, ELD Data statistics shows only 6.5 hours on average. Where is the 4.5 hours lost?



Methodology



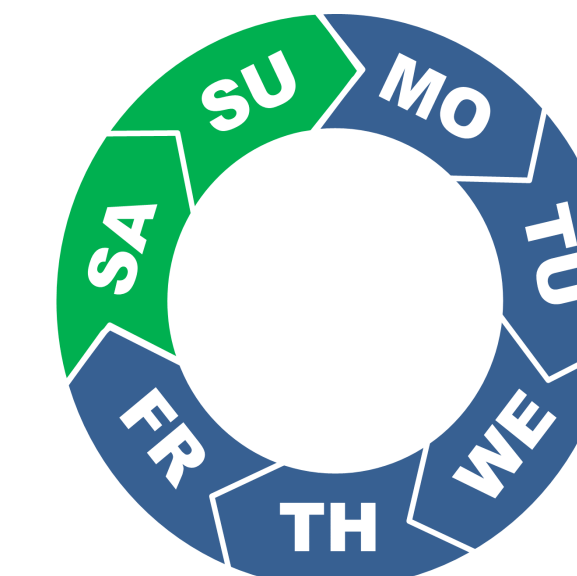
ELD, Stops
DATA



Dwell Time

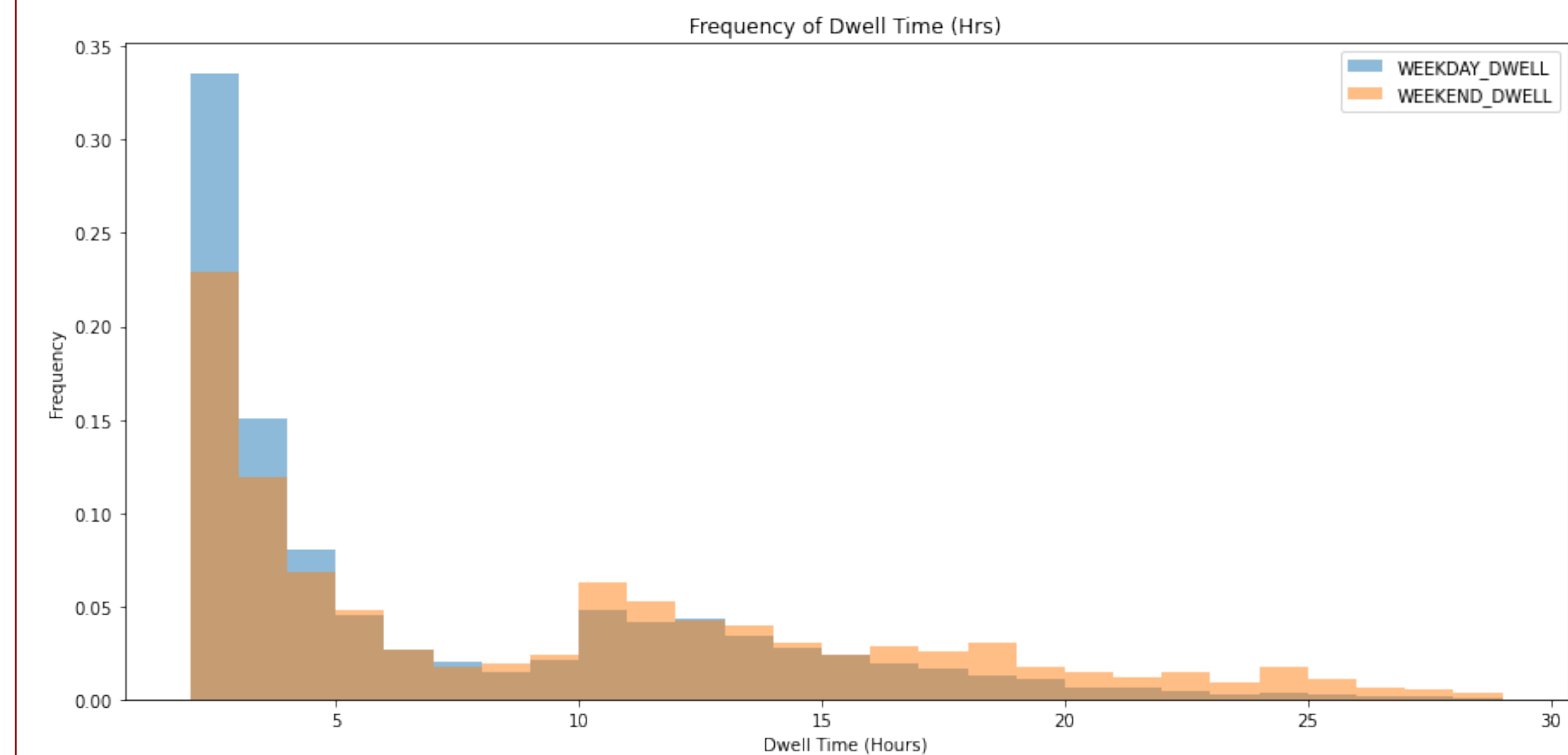


Data Analysis

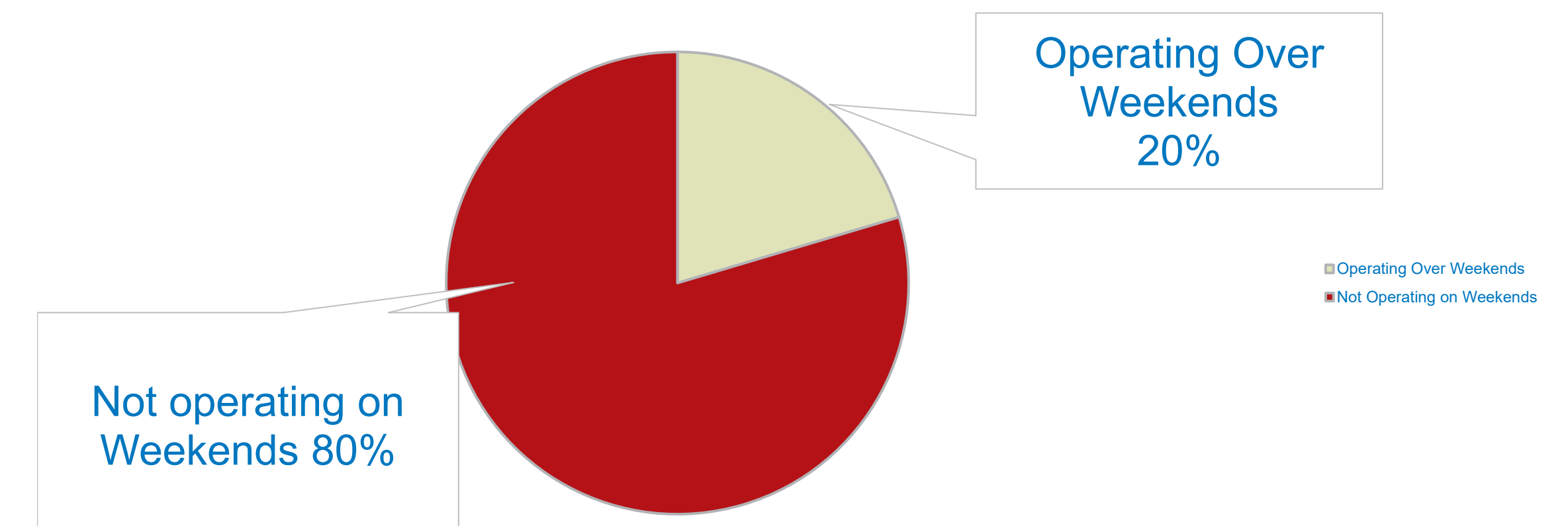


Weekend vs
Weekday

Results



Freight Points Operating Vs Not Operating on Weekends



Contribution

- By following our recommendations, warehouses can make their weekend operations as efficient as their weekday operations. This will reduce driver shortage by about 20%.

David Mera



Sandeep Kumar

