



Business Intelligence F.A.S.T. Webinar Series

Part 2 – Schedule Data Health

Date: Thursday, December 3, 2020



Avail Team



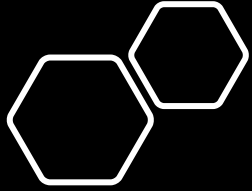
Gregory Kilbride

F.A.S.T.™ Professional Services



Todd Beaumont

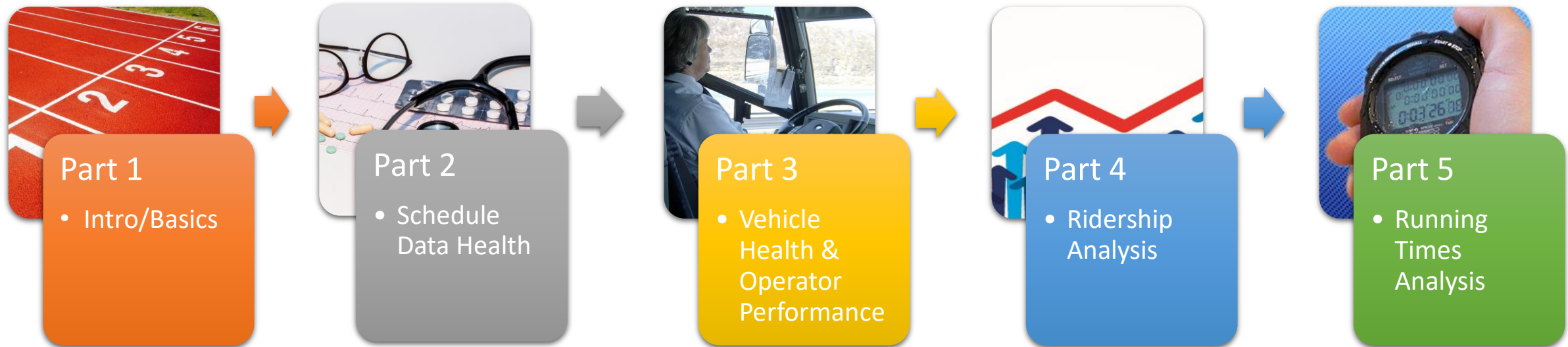
F.A.S.T.™ Professional Services Manager



Purpose

- Embark on the Journey to Better Data
- We've fine tuned a process with a few agencies, and we'd like to share it with everyone
- If you do your homework and follow through, we promise you'll have:
 - Quality Data
 - Eliminate Information Silos
 - Reduce Manual Processes

Five Part Series Line Up



Transit Data Building Blocks



Reporting & KPIs



Operational Behavior



Vehicle Equipment



Trigger Box Data



Schedule Data

What is Schedule Data?

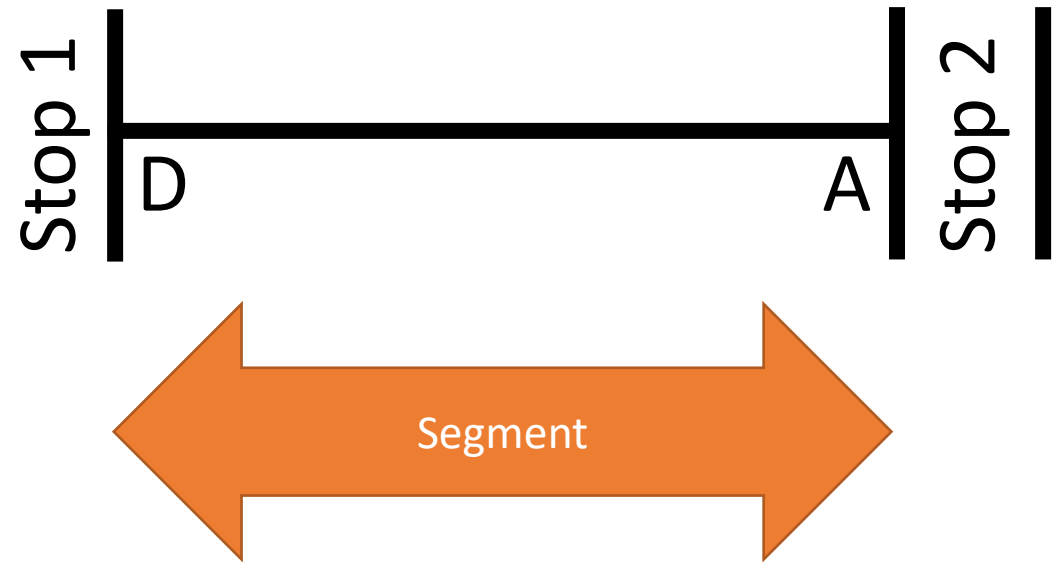
- Schedule data contains the service that should be performed on the street.
 - Block/Run
 - Route/Trip
 - Stop Order / Times
- We need to ensure the schedule data:
 - Matches reality and what's being performed on the street
 - Includes high quality setup data (trigger boxes, headings, etc.)

What is Schedule Data Health?

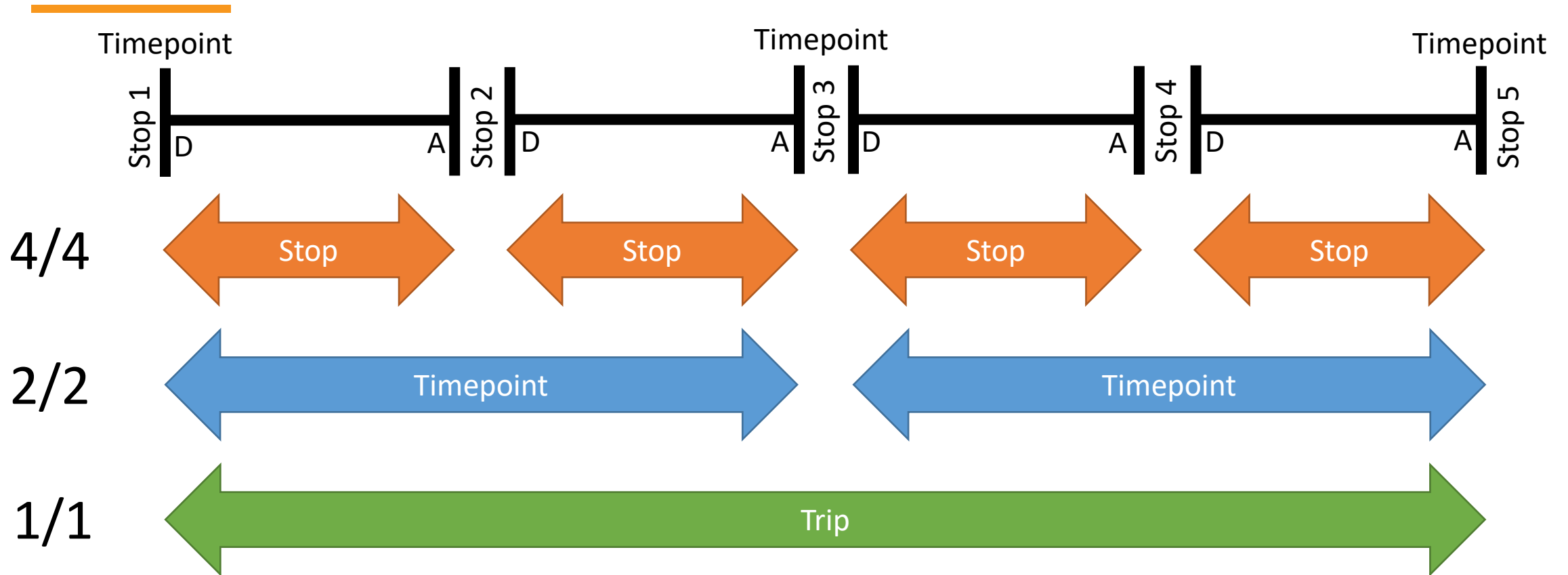
- New Business Intelligence Measurement
- Schedule Data Health is comparing what was scheduled to what has been captured from the vehicles
- This outlines areas of concerns based on % captured vs. % missed service
- Service can be missed if:
 - Misconfigured Trigger Boxes
 - Schedule Data Not Matching Reality
 - Operator Error
 - Vehicle Hardware Issues
 - Detours or Short-turns

Intro to Schedule Data Segments

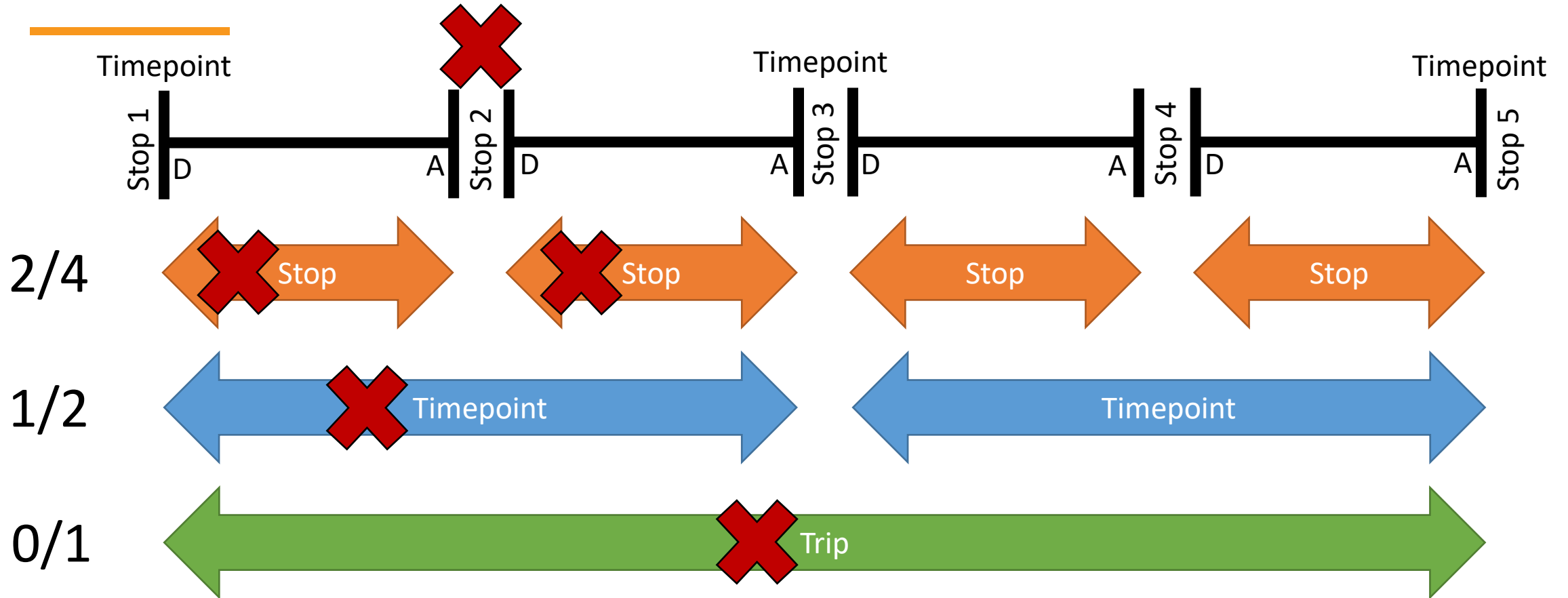
- Schedule Data Health is measured in segments that contain the departure of one stop to the arrival of the next stop
- Segments are kept in three levels
 - Stop
 - Timepoint
 - Trip



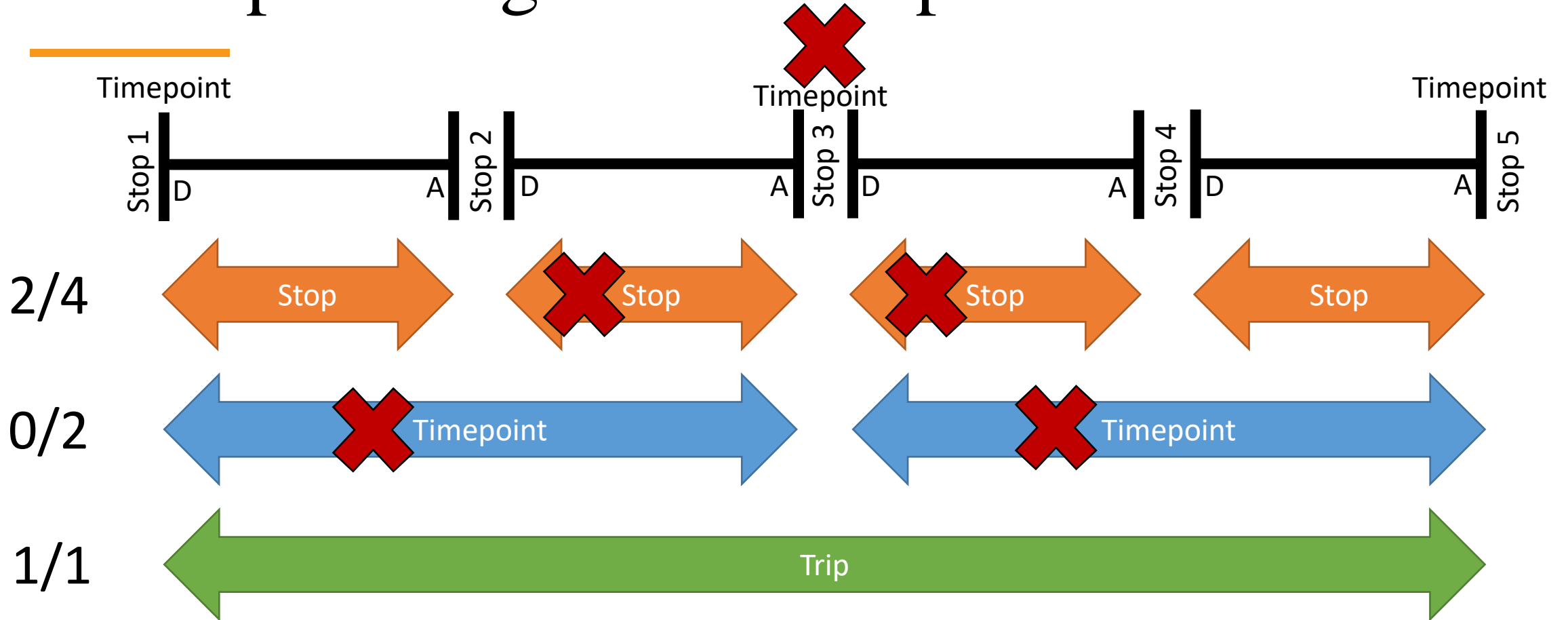
Schedule Data Segments



Incomplete Segments – Stop 2



Incomplete Segments – Stop 3

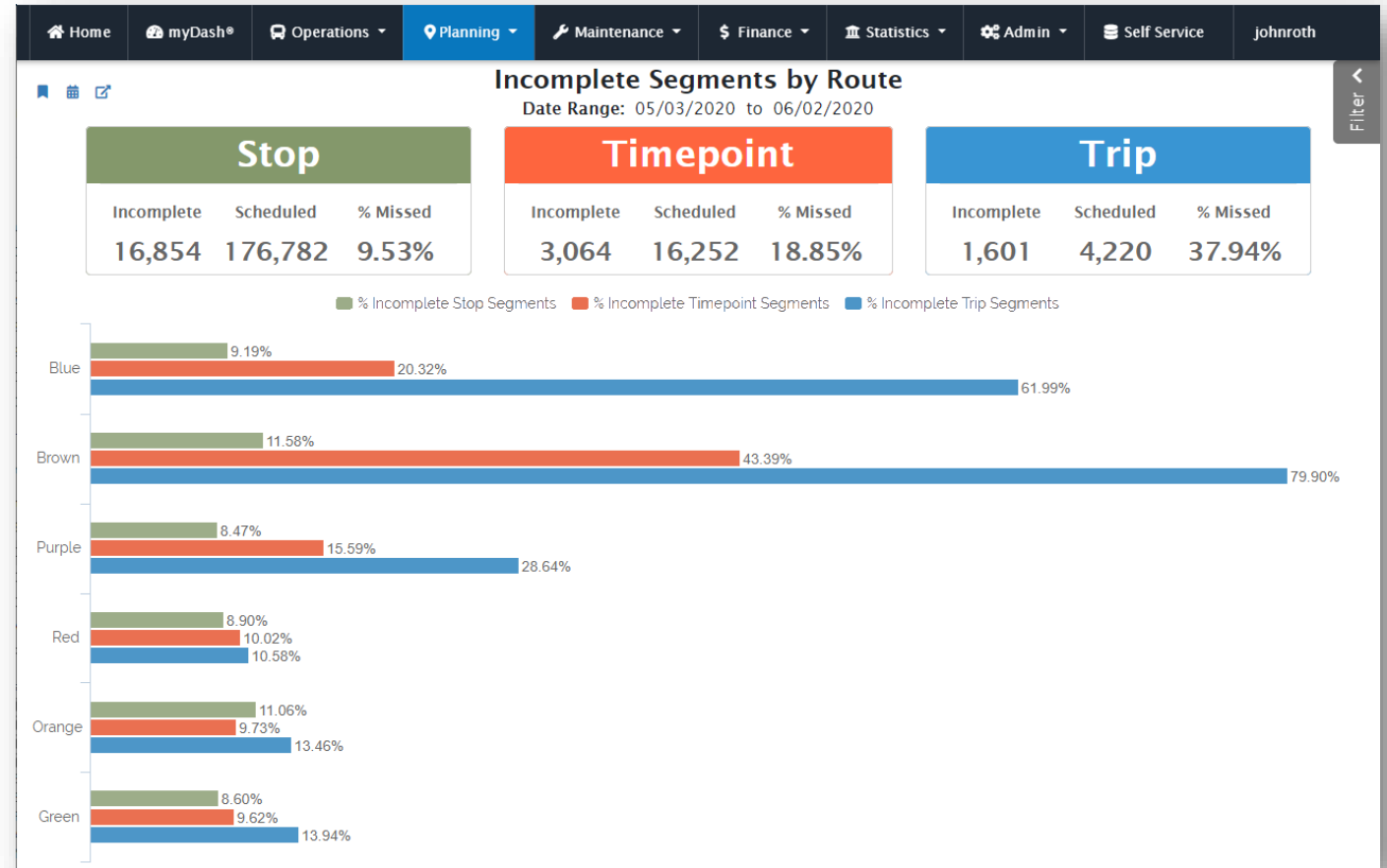
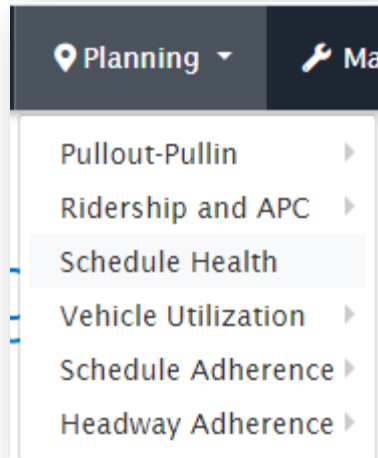


Incomplete Segments

- Incomplete stop segments can cascade into missed timepoint and trip segments
- It is important to review missed segments today as well as two or three weeks after any major schedule change

Business Intelligence – Schedule Data Health Reports

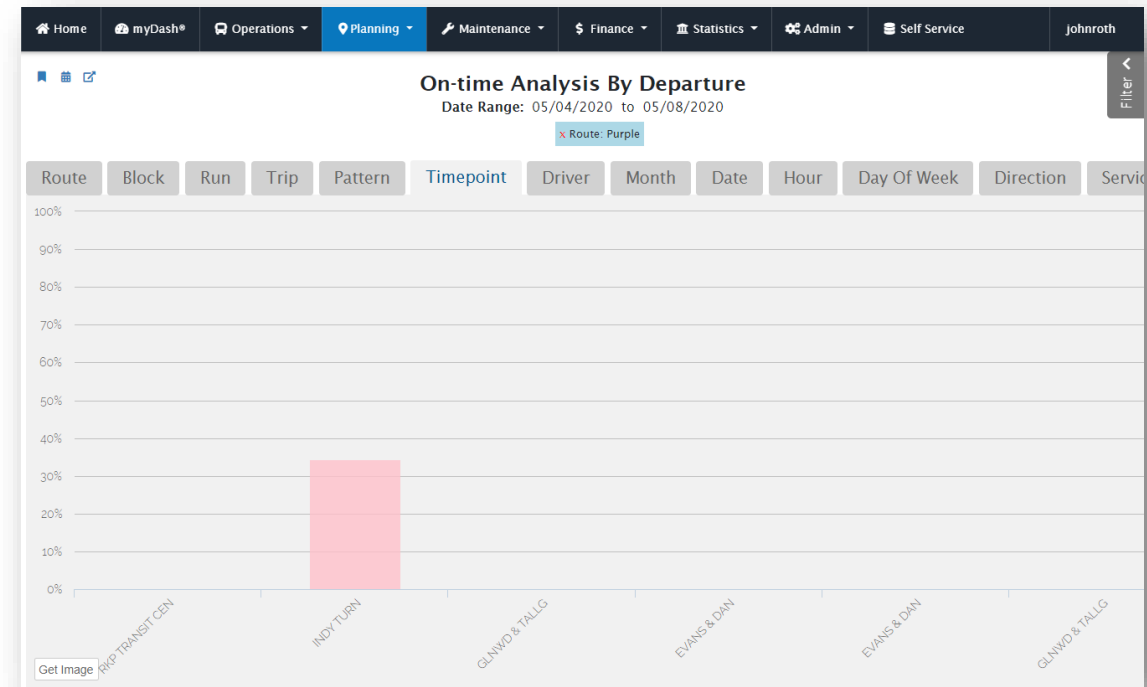
- Planning → Schedule Health



Business Intelligence – Early Outliers

- Early outliers can sometimes be caused by a trigger box at a layover point that is the wrong size
- Review time points that have been flagged as early outliers

- Schedule Adherence → On-time By Departure →
On-time Analysis By Departure



Next Steps

Homework

- Run your Schedule Health Reports
 - Write down your percentages – This is your baseline
 - Start working through the data
- Run your Schedule Adherence Report
 - Check for Early Outliers
- Plan for a future Publish

Timeline

- Completed

- Part 1 Nov 12th: Intro and Basics
- Part 2 Dec 3rd: Schedule Data Health

- Upcoming

- Part 3 Dec 17th: Operator Performance and Vehicle Health
- Part 4 Jan 7th: Ridership Analysis
- Part 5 Jan 21st: Running Times Analysis



“ Thank
you! ”

