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1. Weekdays and weekends results

1.1. Route 555

Figure 1. Route 555, inbound, weekdays results using the New Measure. Results expressed in Minutes.

Figure 2. Route 555, inbound, weekends results using the New Measure. Results expressed in Minutes.
Figure 3. Route 555, outbound, weekdays using the New Measure. Results expressed in Minutes.

Figure 4. Route 555, outbound, weekends results using the New Measure. Results expressed in Minutes.
1.2. Route 60

Figure 5. Route 60, inbound, weekdays results using the New Measure. Results expressed in Minutes.

Figure 6. Route 60, inbound, weekends results using the New Measure. Results expressed in Minutes.
Figure 7. Route 60, outbound, weekdays results using the New Measure. Results expressed in Minutes.

Figure 8. Route 60, outbound, weekends results using the New Measure. Results expressed in Minutes.
2. Days of the week and weekend days results

The results are expressed during the day (hours) in minutes.

2.1. Route 555

![Graph of Route 555, inbound, Mondays results for the New measure. Results expressed in minutes.](image)

Figure 9. Route 555, inbound, Mondays results for the New measure. Results expressed in minutes.

![Graph of Route 555, inbound, Tuesdays results for the New measure. Results expressed in minutes.](image)

Figure 10. Route 555, inbound, Tuesdays results for the New measure. Results expressed in minutes.
Figure 11. Route 555, inbound, Wednesday results for the New measure. Results expressed in minutes.

Figure 12. Route 555, inbound, Thursday results for the New measure. Results expressed in minutes.
Figure 13. Route 555, inbound, Friday’s results for the New measure. Results expressed in minutes.

Figure 14. Route 555, inbound, Saturday’s results for the New measure. Results expressed in minutes.
Figure 15. Route 555, inbound, Sunday’s results for the New measure. Results expressed in minutes.

Figure 16. Route 555, outbound, Monday’s results for the New measure. Results expressed in minutes.
Figure 17. Route 555, outbound, Tuesday's results for the New measure. Results expressed in minutes.

Figure 18. Route 555, outbound, Wednesday's results for the New measure. Results expressed in minutes.
Figure 19. Route 555, outbound, Thursday’s results for the New measure. Results expressed in minutes.

Figure 20. Route 555, outbound, Friday’s results for the New measure. Results expressed in minutes.
Figure 21. Route 555, outbound, Saturday’s results for the New measure. Results expressed in minutes.

Figure 22. Route 555, outbound, Sunday’s results for the New measure. Results expressed in minutes.
2.2. Route 60

Figure 23. Route 60, inbound, Monday's results for the New measure. Results expressed in minutes.

Figure 24. Route 60, inbound, Tuesday's results for the New measure. Results expressed in minutes.
Quantifying public transport reliability from a passenger perspective by using operational

Figure 25. Route 60, inbound, Wednesday’s results for the New measure. Results expressed in minutes.

Figure 26. Route 60, inbound, Thursday’s results for the New measure. Results expressed in minutes.
Figure 27. Route 60, inbound, Friday’s results for the New measure. Results expressed in minutes.

Figure 28. Route 60, inbound, Saturday’s results for the New measure. Results expressed in minutes.
Figure 29. Route 60, inbound, Sunday’s results for the New measure. Results expressed in minutes.

Figure 30. Route 60, outbound, Monday’s results for the New measure. Results expressed in minutes.
Figure 31. Route 60, outbound, Tuesday’s results for the New measure. Results expressed in minutes.

Figure 32. Route 60, outbound, Wednesday’s results for the New measure. Results expressed in minutes.
Figure 33. Route 60, outbound, Thursday's results for the New measure. Results expressed in minutes.

Figure 34. Route 60, outbound, Friday's results for the New measure. Results expressed in minutes.
Figure 35. Route 60, outbound, Saturday’s results for the New measure. Results expressed in minutes.

Figure 36. Route 60, outbound, Sunday’s results for the New measure. Results expressed in minutes.
3. Normalized results comparison

The following figures represent the normalized values compared between the different measures analyzed. The vertical axis goes from value 0 to value 1.

Cv is Coefficient of Variance

Skew is the Skew indicator

Tra_bt represents the traditional buffer time indicator

New_bt represents the new buffer time indicator

3.1. Route 555

Figure 37. Normalized results for the specified indicators, route 555, inbound direction, Mondays.
Figure 38. Normalized results for the specified indicators, route 555, inbound direction, Tuesdays.

Figure 39. Normalized results for the specified indicators, route 555, inbound direction, Wednesdays.
Figure 40. Normalized results for the specified indicators, route 555, inbound direction, Thursdays.

Figure 41. Normalized results for the specified indicators, route 555, inbound direction, Fridays.
Figure 42. Normalized results for the specified indicators, route 555, inbound direction, Saturdays.

Figure 43. Normalized results for the specified indicators, route 555, inbound direction, Sundays.
Figure 44. Normalized results for the specified indicators, route 555, outbound direction, Mondays.

Figure 45. Normalized results for the specified indicators, route 555, outbound direction, Tuesdays.
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Figure 48. Normalized results for the specified indicators, route 555, outbound direction, Fridays.

Figure 49. Normalized results for the specified indicators, route 555, outbound direction, Saturdays.
Figure 50. Normalized results for the specified indicators, route 555, outbound direction, Sundays.

3.2. Route 60

Figure 51. Normalized results for the specified indicators, route 60, inbound direction, Mondays.
Figure 52. Normalized results for the specified indicators, route 60, inbound direction, Tuesdays.

Figure 53. Normalized results for the specified indicators, route 60, inbound direction, Wednesdays.
Figure 54. Normalized results for the specified indicators, route 60, inbound direction, Thursdays.

Figure 55. Normalized results for the specified indicators, route 60, inbound direction, Fridays.
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Figure 56. Normalized results for the specified indicators, route 60, inbound direction, Saturdays.

Figure 57. Normalized results for the specified indicators, route 60, inbound direction, Sundays.
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Figure 61. Normalized results for the specified indicators, route 60, outbound direction, Thursdays.
Figure 62. Normalized results for the specified indicators, route 60, outbound direction, Fridays.

Figure 63. Normalized results for the specified indicators, route 60, outbound direction, Saturdays.
Figure 64. Normalized results for the specified indicators, route 60, outbound direction, Sundays.
4. **t-Test: Paired Two Sample for Means**

As Figure 65 shows, the values of the attributes do not change the behavior of results, if the magnitude, but not the trends that may have. The value of P is very low, demonstrating the no distinction in attribute values. It has been evaluated the weekday and weekend data, giving the following values for the two attributes; First alpha valued as 1 and beta as 0.5 and second, 1.5 and 0.75 respectively.

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Figure 65. **t-Test: Paired Two Sample for Means.** Results of the test, comparing attribute values.