Simulation Report

This document presents an analysis of activity scan hits in Syria, focusing on the distribution of hits per day of the week. The analysis is based on a simulation that took place between August 6, 2022, and an unspecified end date, involving 94 devices and 9,299 records. The findings reveal a significant variation in activity levels across the week, with Monday being the most active day and Wednesday being the least active. This report provides a comprehensive overview of the simulation, including an introduction to the context and significance of analyzing multi-geo devices, a detailed analysis of the activity scan hits distribution, and conclusions drawn from the findings.

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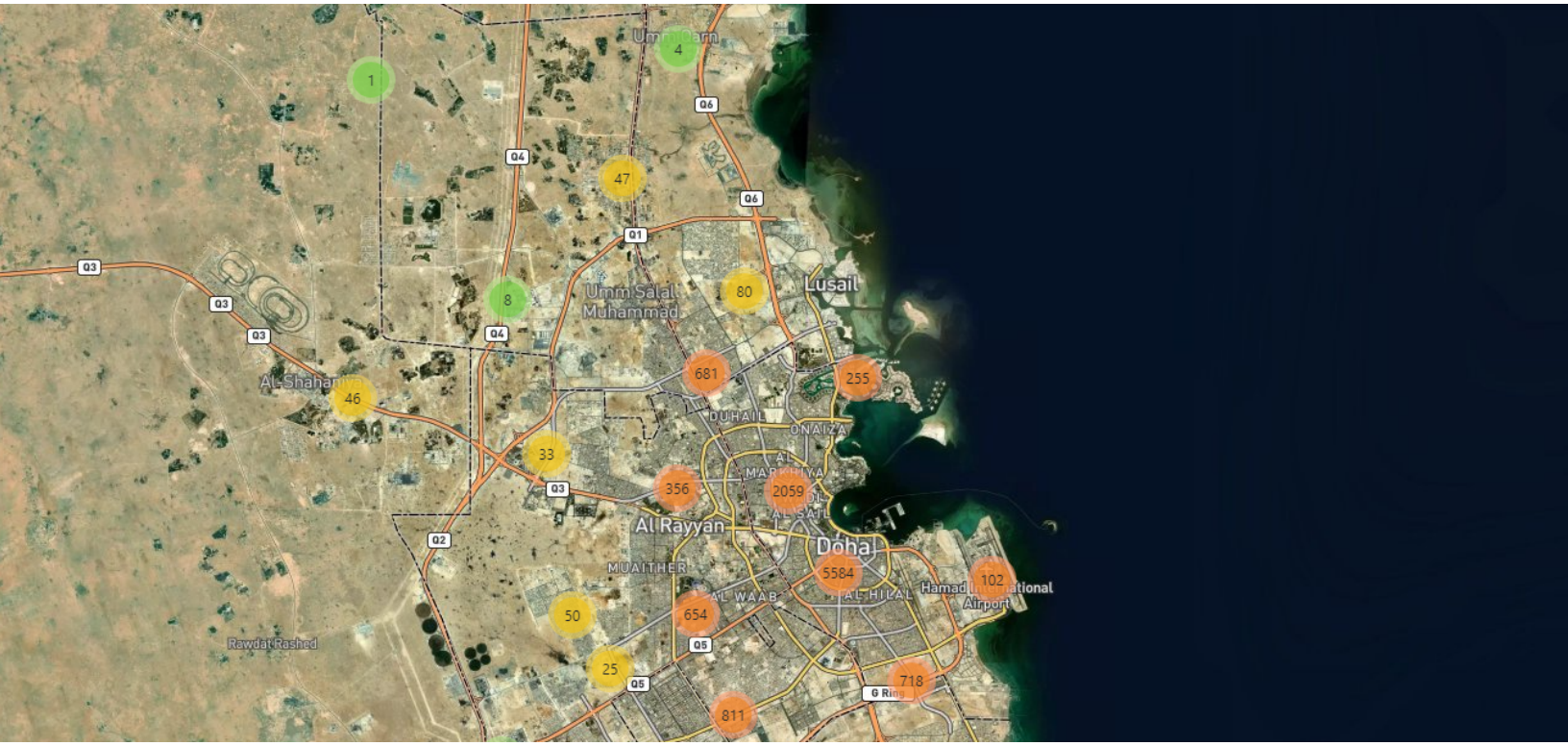
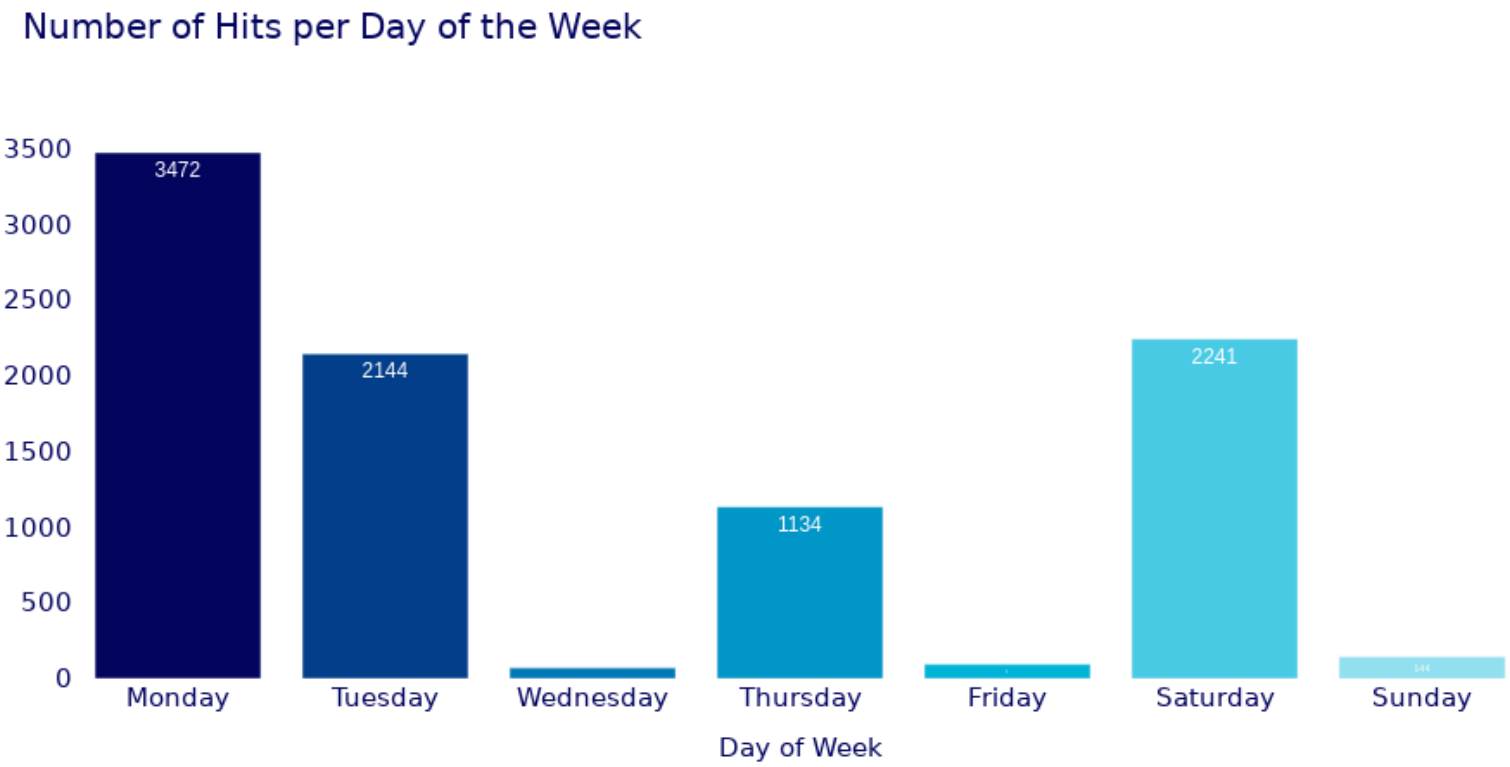


Introduction

The analysis of multi-geo devices is crucial in understanding patterns and trends in various industries, including logistics, transportation, and security. This report focuses on a simulation that took place in Syria, involving 94 devices and 9,299 records, between August 6, 2022, and an unspecified end date. The purpose of this analysis is to examine the distribution of activity scan hits per day of the week, providing insights into the patterns of device movement and usage.

Statistic	Data
Number of Devices	94
Number of Records	9299
Number of Days	39
Countries	Syria
Cities	Tadmur

Analysis of The Acivity Scan Hits Distribution DOW



• **Monday**: The analysis reveals that Monday has the highest number of activity scan hits, with a total of 3,472 hits.

• **Tuesday**: Tuesday has a total of 2,144 hits, indicating a significant decrease in activity compared to Monday.

• **Wednesday**: Wednesday has the lowest number of activity scan hits, with a total of 70 hits.

• **Thursday**: Thursday has a total of 1,134 hits, indicating a moderate level of activity.

• **Friday**: Friday has a total of 94 hits, indicating a relatively low level of activity.

• **Saturday**: Saturday has a total of 2,241 hits, indicating a significant increase in activity compared to Friday.

• **Sunday**: Sunday has a total of 144 hits, indicating a relatively low level of activity.

TimeSpent Analysis at AOI

• This comprehensive analysis examines the behaviors of geolocation devices at an important location (AOI) based on the provided data. The analysis classifies the devices into five categories: Prolonged Presence, Intermittent Visits, Brief Encounters, Isolated Incidents, and Limited Engagement.

• **Prolonged Presence**

• Devices in this category have spent an extended period in the AOI, indicating a strong affinity for the location. Devices 069 and 014 have spent 61 days in the AOI, averaging 24 hours per day, demonstrating a consistent and prolonged presence in the area.

• **Intermittent Visits**

• Devices in this category have spent a significant amount of time in the AOI, but with gaps in their presence. Devices 050, 011, 054, and 009 have spent between 58 and 59 days in the AOI, averaging 24 hours per day, indicating a regular but not continuous presence in the area.

• **Brief Encounters**

• Devices in this category have spent a moderate amount of time in the AOI, but with less frequency than the previous categories. Devices 053, 005, 085, and 068 have spent between 52 and 56 days in the AOI, averaging 24 hours per day, suggesting occasional visits to the area.

• **Isolated Incidents**

• Devices in this category have spent a limited amount of time in the AOI, with fewer than 50 days of recorded presence. Devices 066, 078, 007, and 006 have spent between 46 and 51 days in the AOI, averaging 24 hours per day, indicating sporadic or isolated visits to the area.

• **Limited Engagement**

• Devices in this category have spent the least amount of time in the AOI, with fewer than 45 days of recorded presence. Devices 010, 077, 013, and 094 have spent between 37 and 44 days in the AOI, averaging 24 hours per day, suggesting a limited or casual engagement with the area.

Insights and Observations

The analysis reveals that devices 069 and 014 have a strong affinity for the AOI, spending an extended period in the area. Devices 050, 011, 054, and 009 demonstrate a regular but not continuous presence in the area, while devices 053, 005, 085, and 068 show occasional visits to the area. The remaining devices exhibit limited engagement with the AOI, with fewer than 45 days of recorded presence. The average daily time spent in the AOI is 24 hours, indicating that devices spend a significant amount of time in the area when they are present. The analysis provides valuable insights into the behaviors of geolocation devices at the AOI, highlighting patterns and trends that can inform decisions and strategies

Conclusion

The analysis of activity scan hits in Syria reveals a significant variation in activity levels across the week. Monday emerges as the most active day, while Wednesday is the least active. The findings suggest that device movement and usage patterns may be influenced by various factors, including cultural and social trends. These insights can inform strategies for optimizing device deployment, resource allocation, and security protocols. Future studies can build upon this analysis to explore the underlying factors contributing to these patterns and to develop more effective strategies for managing multi-geo devices

DeviceID Mapping Table

Original ID	Simplified ID
0e7da9c6-b7c4-4e90-be4d-fb88f0ca8182	Device-001
585bb757-61c9-4d85-a19c-0ae8034ed196	Device-002
70572bb9-077e-4daa-b15a-5e4ac044bb4f	Device-003
84de460b-c6ab-404e-ab02-a9019ed107d7	Device-004
dafa9846-7a8e-41f9-b48f-2b962a724227	Device-005
bb04bca8-7f92-4b63-b4de-3fdda8469c61	Device-006
a7b3ceaf-ebab-4da2-9734-d1f7d12fdeee	Device-007
a89153fc-458e-414f-a99f-308414d0ddc7	Device-008
875583f1-35b9-4d42-8b82-8851a580da83	Device-009
ffaac6b6-242b-4b0b-ae7c-8df83d0c6c23	Device-010
e00f40de-8ee1-47c6-9fba-c2d1e58c7440	Device-011
7b9ef5b9-7017-46e0-aed6-869aec673350	Device-012
f8b2d523-8390-4165-9f45-c11f7d9e644f	Device-013
0a2ae65d-0eb6-4530-9207-e14c8ac5540e	Device-014
8326ee21-2640-4cd3-ae2b-3798f72c5c1f	Device-015
5286ecd3-3f9f-4c32-8414-35bb465dd68c	Device-016
e2df0039-4adb-4e0b-add8-41d687ac9e2a	Device-017
75bd753d-de12-4ddd-977d-efea1a708e4e	Device-018
1d4a120e-8860-44a7-8fec-e913187ab9b2	Device-019
00e59837-8ce3-47cf-8973-c644759da717	Device-020
974f7a91-8d70-40d7-96be-5ecc36e54ae8	Device-021
1a0eb6f3-de09-3cc9-a660-ba0a4616f206	Device-022
aaed1fb9-2276-4cf6-8211-498dab4df080	Device-023
4c092121-157d-4ac4-a7a6-97f265b942c0	Device-024
d7968a80-84a1-4a59-94c5-6ef2bdffdad0	Device-025
c590de0a-d8ee-40fd-b6e8-c264d9e0b20a	Device-026
c7909207-636d-4629-ae00-22ecc0f9bd40	Device-027
2b445e94-1433-410c-ae06-261cdfe9d897	Device-028
5a771525-a58b-4285-98c1-52e98eb4a0c4	Device-029
5b5c8bf9-37cd-49e5-b2af-95007ecc4c28	Device-030
ea00b391-a8d8-4312-8d55-999dd8ef5ad8	Device-031

Original ID	Simplified ID
f20e5a06-5cb6-4b54-a589-276a79771eab	Device-032
a3dbf8aa-2660-314a-a8e6-010eae40c328	Device-033
a6f1e37f-511c-4cf8-b344-25b47d075698	Device-034
87cd7d6a-aa1a-4b44-9034-873fc55d4d51	Device-035
527cfad9-0b50-452f-b302-8dcc1c29b8a7	Device-036
1e2a4f5b-53d4-468f-8618-dae4d98db3a6	Device-037
71c1ff22-7406-42b9-a232-51496ec0ac32	Device-038
4d5adc83-8b28-4b23-b2fa-b40020e5bbf3	Device-039
7e2db0a9-a4fd-4e0e-8817-292c76b330e6	Device-040
3309ee6f-fddb-469d-bdad-85294cdbc04f	Device-041
026bd43e-7e17-4c4d-8114-847e1d40225a	Device-042
972a23a0-b4e8-4a14-8c57-9f714f28b8e7	Device-043
9ca773c8-66ca-460e-bc99-1554bd69cfa2	Device-044
e936de36-7c9c-4102-8b14-d8803f8e0ad0	Device-045
6be0661f-85f2-4a5a-a22d-d5475e68d3fe	Device-046
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1c896612-3bc0-3623-b198-d14ce6d0fb26	Device-049
475e68f7-bb2b-4755-a94a-13ef0293eb45	Device-050
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9dc136ad-d319-41f4-b0f3-010cf799863c	Device-052
b3fb12fe-a86e-4197-8f33-256422f4e987	Device-053
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afca8969-c84c-4e07-8cd1-056f9803395b	Device-058
135429a8-1a9a-429f-9e37-a8bb0677473f	Device-059
ddc16a71-0d77-4b64-8eca-acd28339fb4e	Device-060
1de7aab6-4378-42a4-86aa-76e36e13a436	Device-061
29a930c6-a13d-3c19-1b09-1103260b6e42	Device-062
17dc7403-212b-4a1f-9d70-f859d26b04d2	Device-063
dcf573e1-37fb-4729-93c5-8eabe0abe6f1	Device-064

Original ID	Simplified ID
2568bda9-2ff5-473a-bd9a-542b81dc7fad	Device-065
6b1496d9-bfad-46df-93b3-a0633f509135	Device-066
d706ad27-2534-40ed-a66c-2838521e1a3d	Device-067
75e2c86a-b379-4939-a07a-a6ec1f79b619	Device-068
410ea8d2-fff2-4d0e-bd28-914d919e347f	Device-069
e4ad2b81-0a8a-48ae-9efc-7ae0b633d035	Device-070
50aae444-29ea-4e80-9fed-9dd4344a4611	Device-071
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3ad62231-3922-49ce-8dda-f5020f1d3467	Device-085
8b500cd6-e3b0-472e-943c-0f0ad9e0eef1	Device-086
5854b765-fdb2-45f4-a362-2235c0b58317	Device-087
0a83e29a-04ed-4a2a-bd6d-b2c445fad4a7	Device-088
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42ce0582-fb1b-4c3e-94a9-2f588f4689a2	Device-092
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