Filters and Controls

Select Visualization:

- ○ Overview
- ○ Hexbin Plot
- ○ Geographical Map
- ○ Radar Chart
- ○ Ward Table

Introduction

This dashboard integrates multiple interactive views to explore Toronto's apartment building evaluations. By examining building age, spatial distribution, facility sub-scores, and building summaries, we would like to find out the maintenance patterns, identify areas of concern, and highlight best-practice wards.

Methods

- **Hexbin Plot:** We calculated and ploted each building's age against its overall evaluation score, using hexbins to aggregate counts and reveal density trends.
- **Geographical Map:** We overlaid ward boundaries with choropleth coloring by average score, evaluation areas, or building count, and added optional clustered markers for individual building details.
- **Radar Chart:** We grouped buildings into low, medium, high score group and computed average scores for key facilities, then visualized these normalized values on an overlaid radar chart.
- **Ward Table:** We aggregated by ward, then calculating average score, high-risk building count, average units, and evaluation density, and sorted and color-coded to facilitate comparative ranking.
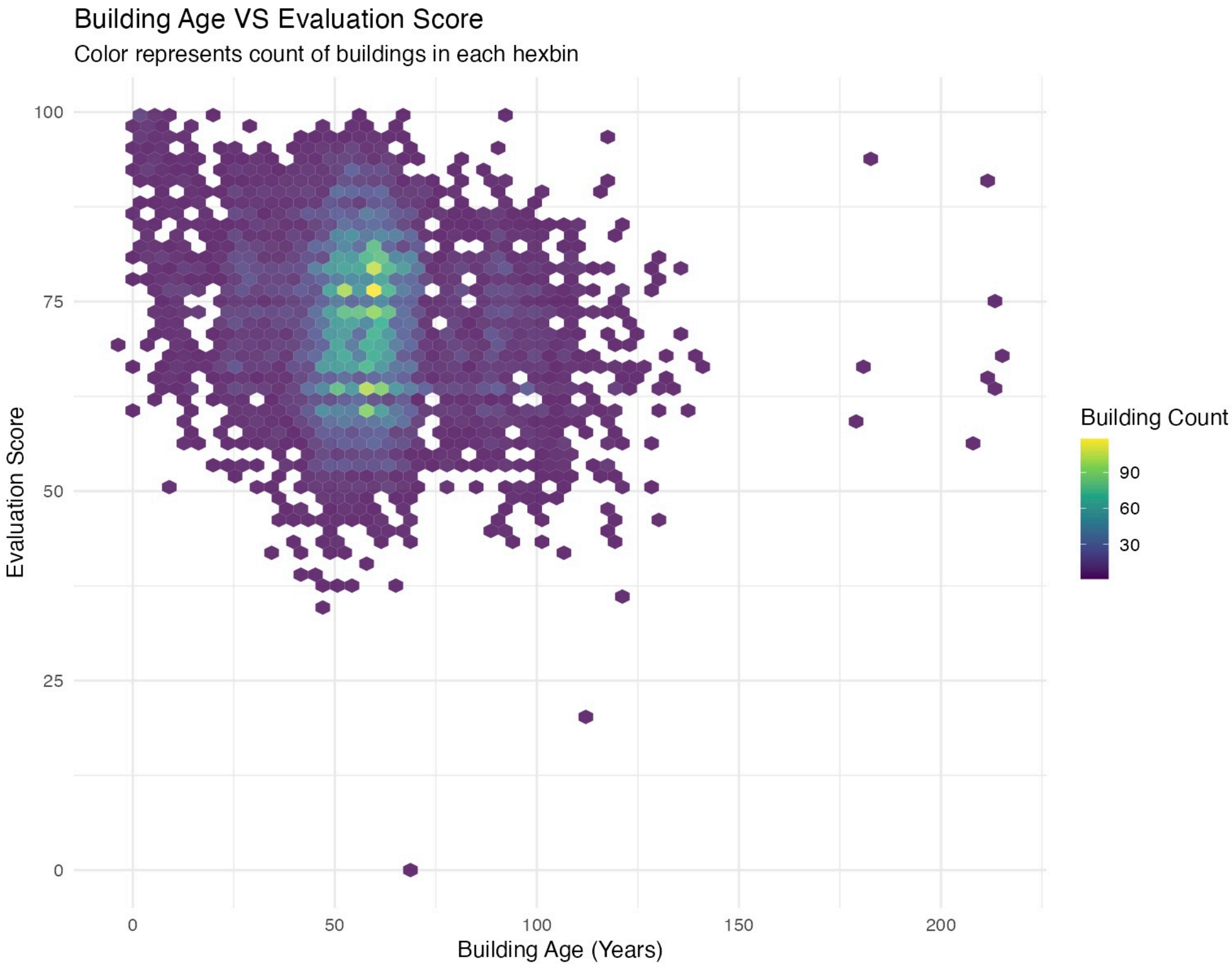
Results

- **Age vs. Score:** Newer buildings cluster in high-scoring hexbins, while older buildings are more spread out and show some low scores.
- **Spatial Patterns:** The York area records the highest average scores but with relatively few buildings evaluated, downtown wards also score well with dense coverage, while most other wards show more lower results.
- **Facility Breakdown:** High-score buildings still dip on surfaces and bin areas, while medium-score buildings show larger gaps in lighting and chute maintenance.
- **Ward Rankings:** The table identifies wards with the most high-risk buildings and those that consistently exceed quality benchmarks.

Conclusion

Toronto Apartment Building Evaluation

Building Age VS Evaluation Score
Color represents count of buildings in each hexbin

Building Count
- 90
- 60
- 30

Evaluation Score

Building Age (Years)

Toronto Apartment Building Evaluation

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Color Ward By:

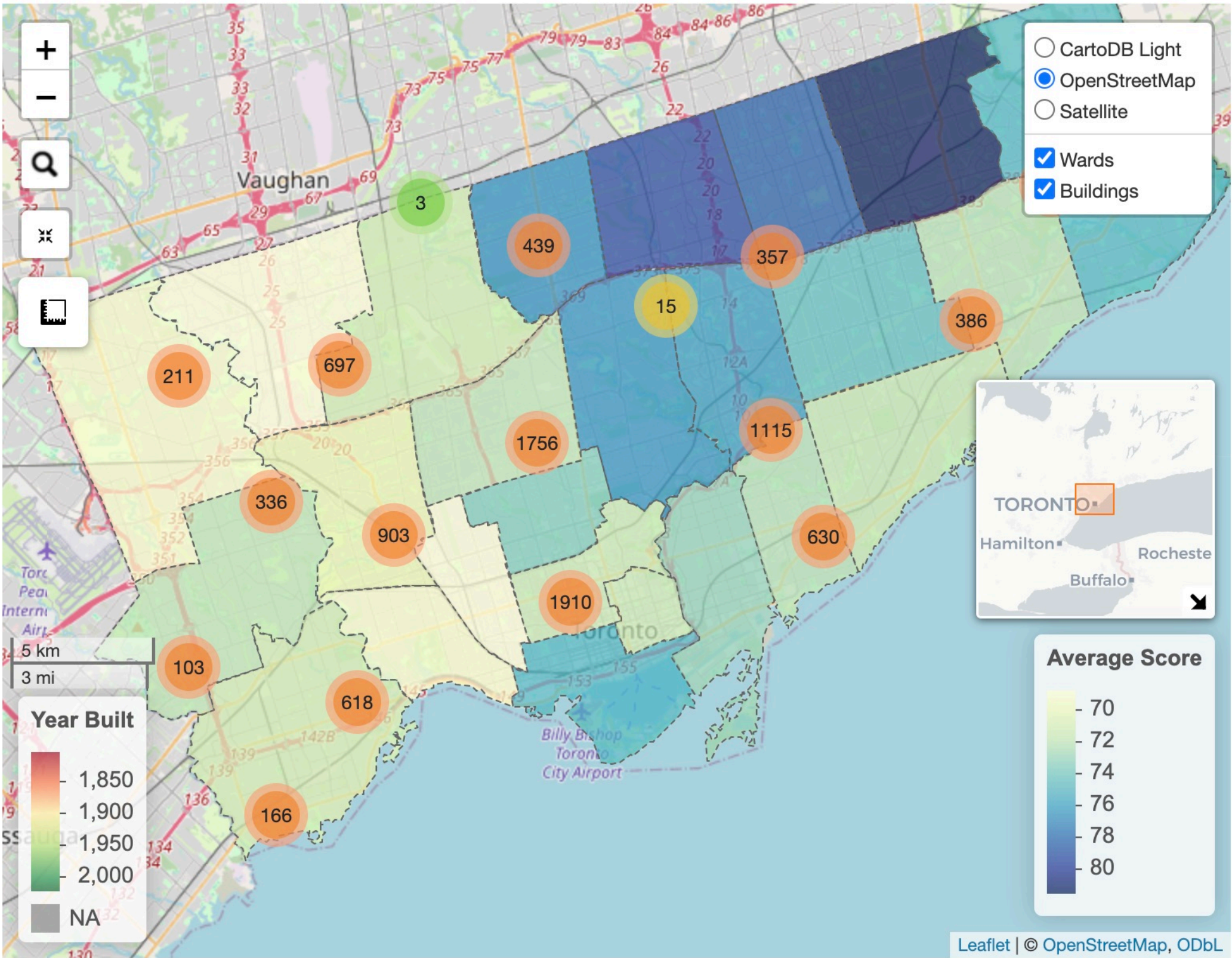Average Score ▼

☑ Show Building Locations

Cluster Buildings:

● Yes ○ No

Building Markers Color By:

Year Built ▼

Layer Opacity:

0 — 0.7 — 1

0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1

○ CartoDB Light
● OpenStreetMap
○ Satellite

☑ Wards
☑ Buildings

Year Built

- 1,850
- 1,900
- 1,950
- 2,000
- NA

Average Score

- 70
- 72
- 74
- 76
- 78
- 80

Leaflet | © OpenStreetMap, ODbL

⟳ Reset Map View

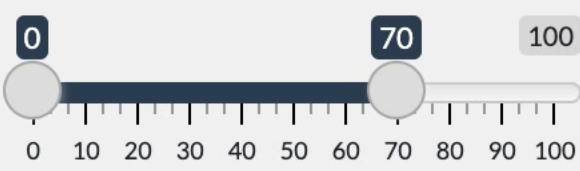Click on wards or buildings for details, use the layer control to toggle features, zoom and pan to explore.

Toronto Apartment Building Evaluation

0-50-70-100 ▼

Building Filters

Building Age Range:

0   70   100

0   10   20   30   40   50   60   70   80   90   100

Minimum Units:

20

Filter by Ward:

1 ▼

Facility Selection

Select Facilities:

☑ Entrance Lobby
☑ Security
☑ Elevators
☑ Stairwells
☑ Laundry Rooms
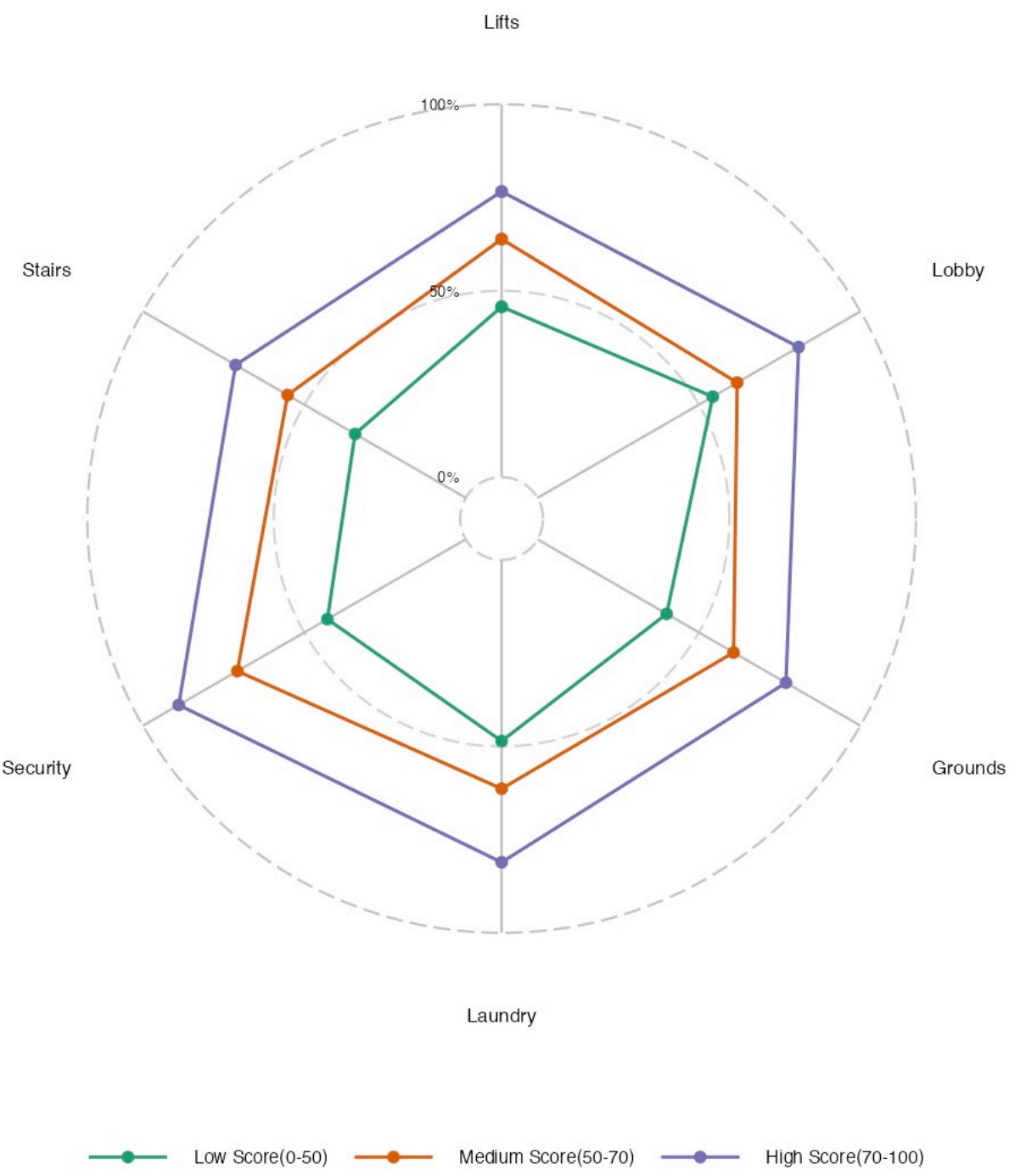☐ Internal Guards/Rails
☐ Garbage Chutes
☐ Garbage Bins
☐ Storage/Lockers
☐ Interior Walls/Ceiling

Facility Sub-Score Comparison by Score Group

Building Age: 0-70 years | Min Units: 20 | Ward: 1

Low Score(0-50)   Medium Score(50-70)   High Score(70-100)

Toronto Apartment Building Evaluation
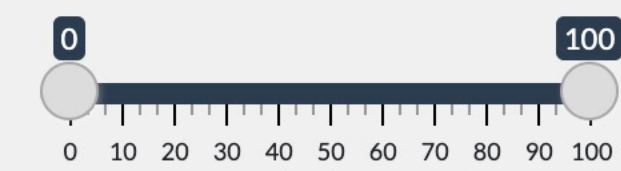
Show | 10 ▾ | entries

Filters and Controls

Select Visualization:
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- ○ Radar Chart
- ● Ward Table

Table Filters

Average Score Range:

0 ——————————————— 100

0 10 20 30 40 50 60 70 80 90 100

Minimum High Risk Buildings:

| 0 |

Minimum Average Units:

| 0 |

Sort By:

| Ward Number ▾ |

Sort Direction:
- ● Ascending ○ Descending

Toronto Ward Apartment Building Evaluation

Ward #	Ward Name	Avg Score	High Risk Buildings	Avg Units	Eval Density	# Buildings
21	Scarborough Centre	74.5	1	84.7	17.9	378
22	Scarborough-Agincourt	78.3	0	180.8	18.8	108
23	Scarborough North	81.5	0	181.4	18.6	18
24	Scarborough-Guildwood	72.3	8	154.0	18.4	221
25	Scarborough-Rouge Park	75.1	0	77.0	17.3	73

Showing 21 to 25 of 25 entries

Previous   1   2   3   Next

Select a ward from the table to view detailed information