Table S1

Site	Racks	Spaces
Lexington High School	13	190
Jonas Clarke Middle School	5	111
William Diamond Middle School	3	105
Minuteman Bikeway	7	76
Fiske School	4	70
Bridge School	4	67
Joseph Estabrook School	4	56
Harrington School	4	52
Massachusetts Avenue	12	34
Bowman School	2	32
Lincoln Park	2	28
Cary Memorial Library	2	26
Fletcher Park	2	18
Lexington Town Hall	2	14
Emery Park	3	10
Massachusetts Avenue — Follen Heights	4	8
Tower Park	2	4

Table S2

ID	Rack name	Rack type	Setting	Spaces	Condition	Latitude	Longitude
R001	Marvin Street Play Area	Inverted-U (staple)	Parks and open space	4	Good	42.48374	-71.25065
R002	Joseph Estabrook School — #1	Grid	Schools	18	Good	42.47837	-71.23744
R003	Joseph Estabrook School — #3	Grid	Schools	9	Good	42.47817	-71.23795
R004	Joseph Estabrook School — #2	Grid	Schools	9	Good	42.47817	-71.23791
R005	Joseph Estabrook School — #4	Inverted-U (staple)	Schools	20	Good	42.47787	-71.23700
R006	Willard's Woods	Inverted-U (staple)	Parks and open space	4	Fair	42.46896	-71.21728
R007	Kinneens Park	Inverted-U (staple)	Parks and open space	4	Good	42.46849	-71.23272
R008	William Diamond Middle School — #1	Inverted-U (staple)	Schools	20	Good	42.46382	-71.22706
R009	William Diamond Middle School — #2	Inverted-U (staple)	Schools	40	Good	42.46382	-71.22899
R010	William Diamond Middle School — #3	Grid	Schools	45	Good	42.46273	-71.22648
R011	Department of Public Works	Triangle / schoolyard	Civic buildings	14	Good	42.46065	-71.23814
R012	Garfield Park	Inverted-U (staple)	Parks and open space	4	Good	42.46014	-71.24702
R013	Fiske School — #1	Triangle / schoolyard	Schools	14	Good	42.45955	-71.22070
R014	Fiske School — #2	Grid	Schools	36	Good	42.45897	-71.22096
R015	Fiske School — #3	Wave	Schools	10	Good	42.45830	-71.22008
R016	Fiske School — #4	Wave	Schools	10	Good	42.45827	-71.22008
R017	Minuteman Bikeway — #1	Inverted-U (staple)	Bikeway and trails	2	Fair	42.45706	-71.23145
R018	Pine Meadows Golf Course	Triangle / schoolyard	Parks and open space	12	Good	42.45696	-71.25369
R019	Minuteman Bikeway — #2	Inverted-U (staple)	Bikeway and trails	2	Fair	42.45644	-71.23129
R020	Lexington Fire Department Headquarters	Wave	Civic buildings	6	Good	42.45315	-71.23228
R021	Minuteman Bikeway — #3	Triangle / schoolyard	Bikeway and trails	12	Good	42.44926	-71.22877
R022	Visitors Center	Inverted-U (staple)	Civic buildings	18	Good	42.44919	-71.22880
R023	Minuteman Bikeway — #4	Triangle / schoolyard	Bikeway and trails	14	Good	42.44874	-71.22808
R024	Minuteman Bikeway — #5	Triangle / schoolyard	Bikeway and trails	14	Good	42.44860	-71.22780
R025	Massachusetts Avenue — #1	Inverted-U (staple)	Streets	2	Good	42.44848	-71.22905
R026	Cary Memorial Library — #1	Inverted-U (staple)	Civic buildings	20	Good	42.44841	-71.22982
R027	Emery Park — #1	Inverted-U (staple)	Parks and open space	6	Good	42.44830	-71.22873
R028	Hastings Park	Triangle / schoolyard	Parks and open space	12	Good	42.44824	-71.23792
R029	Minuteman Bikeway — #6	Inverted-U (staple)	Bikeway and trails	18	Good	42.44818	-71.22705
R030	Minuteman Bikeway — #7	Triangle / schoolyard	Bikeway and trails	14	Good	42.44814	-71.22692
R031	Emery Park — #2	Inverted-U (staple)	Parks and open space	2	Good	42.44809	-71.22872
R032	Cary Memorial Library — #2	Inverted-U (staple)	Civic buildings	6	Good	42.44796	-71.22998
R033	Emery Park — #3	Bollard / post-and-ring	Parks and open space	2	Good	42.44770	-71.22801
R034	Massachusetts Avenue — #2	Bollard / post-and-ring	Streets	4	Good	42.44761	-71.22734
R035	Massachusetts Avenue — #4	Inverted-U (staple)	Streets	2	Good	42.44756	-71.22723

ID	Rack name	Rack type	Setting	Spaces	Condition	Latitude	Longitude
R036	Massachusetts Avenue — #3	Inverted-U (staple)	Streets	4	Good	42.44756	-71.22777
R037	Town Pool	Triangle / schoolyard	Parks and open space	12	Good	42.44749	-71.23672
R038	Massachusetts Avenue — #5	Inverted-U (staple)	Streets	2	Good	42.44739	-71.22692
R039	Massachusetts Avenue — #6	Inverted-U (staple)	Streets	2	Good	42.44732	-71.22677
R040	Massachusetts Avenue — #7	Bollard / post-and-ring	Streets	4	Good	42.44717	-71.22646
R041	Massachusetts Avenue — #8	Bollard / post-and-ring	Streets	2	Good	42.44706	-71.22679
R042	Lexington Town Hall — #1	Triangle / schoolyard	Civic buildings	8	Good	42.44698	-71.22447
R043	Massachusetts Avenue — #9	Bollard / post-and-ring	Streets	4	Good	42.44688	-71.22577
R044	Lexington Post Office	Bollard / post-and-ring	Civic buildings	4	Good	42.44679	-71.22532
R045	Lexington Town Hall — #2	Bollard / post-and-ring	Civic buildings	6	Good	42.44678	-71.22425
R046	Massachusetts Avenue — #10	Inverted-U (staple)	Streets	2	Good	42.44675	-71.22607
R047	Massachusetts Avenue — #11	Inverted-U (staple)	Streets	4	Good	42.44670	-71.22593
R048	Fletcher Park — #1	Grid	Parks and open space	9	Good	42.44657	-71.22228
R049	Massachusetts Avenue — #12	Bollard / post-and-ring	Streets	2	Good	42.44646	-71.22479
R050	Fletcher Park — #2	Grid	Parks and open space	9	Good	42.44638	-71.22286
R051	Harrington School — #1	Triangle / schoolyard	Schools	14	Good	42.44621	-71.19867
R052	Harrington School — #2	Grid	Schools	18	Good	42.44606	-71.19880
R053	Center Track	Inverted-U (staple)	Parks and open space	2	Good	42.44555	-71.23467
R054	Maria Hastings School	Inverted-U (staple)	Schools	48	Good	42.44533	-71.25324
R055	Harrington School — #3	Inverted-U (staple)	Schools	10	Good	42.44508	-71.19868
R056	Harrington School — #4	Grid	Schools	10	Good	42.44506	-71.19865
R057	Worthen Road	Triangle / schoolyard	Streets	14	Good	42.44452	-71.23600
R058	Lexington High School — #1	Triangle / schoolyard	Schools	28	Good	42.44433	-71.23180
R059	Lexington High School — #2	Inverted-U (staple)	Schools	20	Good	42.44418	-71.23221
R060	Lexington High School — #3	Triangle / schoolyard	Schools	4	Good	42.44417	-71.23308
R061	Lexington High School — #5	Triangle / schoolyard	Schools	4	Fair	42.44414	-71.23292
R062	Lexington High School — #4	Decorative / custom	Schools	8	Good	42.44416	-71.23223
R063	Whipple Hill	Inverted-U (staple)	Parks and open space	4	Good	42.44386	-71.18297
R064	Lincoln Park — #1	Triangle / schoolyard	Parks and open space	14	Fair	42.44375	-71.24224
R065	Lexington High School — #6	Wave	Schools	40	Good	42.44354	-71.23197
R066	Lexington High School — #7	Triangle / schoolyard	Schools	14	Fair	42.44350	-71.23316
R067	Lincoln Park — #2	Triangle / schoolyard	Parks and open space	14	Good	42.44315	-71.24156
R068	Lexington High School — #8	Decorative / custom	Schools	8	Good	42.44308	-71.23384
R069	Lexington High School — #10	Triangle / schoolyard	Schools	14	Fair	42.44296	-71.23395
R070	Lexington High School — #9	Inverted-U (staple)	Schools	20	Good	42.44296	-71.23403
R071	Lexington High School — #11	Triangle / schoolyard	Schools	4	Good	42.44221	-71.23321

ID	Rack name	Rack type	Setting	Spaces	Condition	Latitude	Longitude
R072	Lexington High School — #12	Inverted-U (staple)	Schools	10	Good	42.44202	-71.23262
R073	Lexington High School — #13	Decorative / custom	Schools	16	Good	42.44200	-71.23262
R074	Bridge School — #1	Grid	Schools	18	Good	42.43867	-71.24482
R075	Bridge School — #2	Wave	Schools	20	Good	42.43859	-71.24486
R076	Bridge School — #3	Inverted-U (staple)	Schools	20	Good	42.43793	-71.24534
R077	Bridge School — #4	Grid	Schools	9	Good	42.43784	-71.24509
R078	Lexington Children's Place	Inverted-U (staple)	Schools	8	Good	42.43735	-71.21787
R079	The Old Reservoir	Triangle / schoolyard	Parks and open space	12	Good	42.43727	-71.24510
R080	Tower Park — #1	Inverted-U (staple)	Parks and open space	2	Good	42.43661	-71.21281
R081	Idylwilde Conservation Area	Inverted-U (staple)	Parks and open space	4	Good	42.43657	-71.25398
R082	Tower Park — #2	Inverted-U (staple)	Parks and open space	2	Good	42.43652	-71.21259
R083	Lexington Community Center	Triangle / schoolyard	Civic buildings	24	Poor	42.43632	-71.21741
R084	Massachusetts Avenue — Follen Heights — #1	Inverted-U (staple)	Streets	2	Good	42.43510	-71.21054
R085	Massachusetts Avenue — Follen Heights — #2	Inverted-U (staple)	Streets	2	Good	42.43438	-71.20980
R086	Dunback Meadow Conservation Area	Inverted-U (staple)	Parks and open space	4	Good	42.43411	-71.22244
R087	Jonas Clarke Middle School — #1	Inverted-U (staple)	Schools	12	Good	42.43173	-71.22917
R088	Massachusetts Avenue — Follen Heights — #3	Inverted-U (staple)	Streets	2	Good	42.43160	-71.20802
R089	Massachusetts Avenue — Follen Heights — #4	Inverted-U (staple)	Streets	2	Good	42.43149	-71.20782
R090	Jonas Clarke Middle School — #2	Inverted-U (staple)	Schools	6	Good	42.43150	-71.23025
R091	Adams Park	Inverted-U (staple)	Parks and open space	4	Good	42.43088	-71.20485
R092	Jonas Clarke Middle School — #3	Inverted-U (staple)	Schools	52	Good	42.43047	-71.22905
R093	Rindge Park	Inverted-U (staple)	Parks and open space	4	Good	42.43028	-71.19171
R094	Massachusetts Avenue — East Lexington	Grid	Streets	7	Poor	42.42952	-71.20709
R095	Jonas Clarke Middle School — #4	Grid	Schools	36	Poor	42.42951	-71.22954
R096	Jonas Clarke Middle School — #5	Grid	Schools	5	Poor	42.42912	-71.22945
R097	Bowman School — #1	Triangle / schoolyard	Schools	14	Good	42.42355	-71.21756
R098	Bowman School — #2	Grid	Schools	18	Good	42.42321	-71.21841
R099	Sutherland Playground	Inverted-U (staple)	Parks and open space	4	Good	42.42267	-71.19762

Note S3

Capacity was counted as the number of places where a bike could be locked to the rack. On every rack type except grid racks, each freestanding element was counted as two bikes, one on each side. Grid racks were counted by slot, at one bike per slot. Where several units of the same type were located together, they were recorded as one rack and their capacities were added together.

Rack type	Element counted	Bikes per element
Inverted-U (staple)	Hoop	2
Triangle / schoolyard	Triangle element	2
Wave (serpentine)	Bend (each acts as one hoop)	2
Bollard / post-and-ring	Ring	2
Decorative / custom	Lockable loop	2
Grid	Slot	1

The six panels of Figure 1 in the article give an example of each type. The inverted-U in panel (a) is one hoop, so 2. The triangle rack in panel (b) has 7 triangle elements, so 14. The grid rack in panel (c) has 9 slots, so 9. The wave rack in panel (d) has 3 bends, so 6. The decorative rack in panel (e) has 2 lockable loops, so 4, and each decorative rack in Table S2 is a group of two or four of these units. Each bollard in panel (f) is one ring, so 2, and the two bollards at that spot were recorded together as one rack of 4.

Capacity for decorative and custom racks is the least certain, because their lockable elements are not standardized, though only three racks, holding 32 spaces, fall in this category. When applied to the inventory in Table S2, this rule produces even capacities for every rack type except grid racks, which are the only type recorded with odd capacities.

Note S4

Racks were rated on four criteria: whether the rack was bent, whether the metal was sound, whether it could be reached without obstruction, and whether a bike could be locked to it. Each criterion was rated as good, fair, or poor. The overall condition of the rack was the lowest of the four ratings.

There were no exact measurements that separated good from fair or fair from poor. Each rating was a judgment made during the survey. All of the ratings were made by the author, and no rack was rated twice.

Of the 99 racks, 88 were rated good, 7 were rated fair, and 4 were rated poor. Only 11 racks were rated below good. The article reports how many racks fell into each rating and what type those racks were, and makes no broader claims from the ratings.