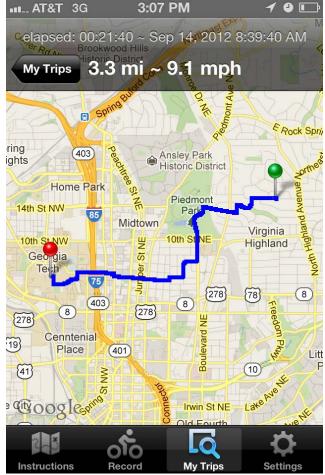


Records your bike trips









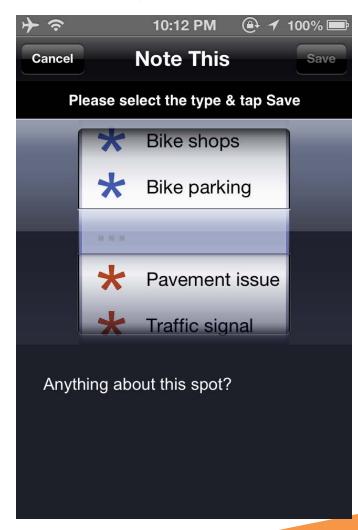
Cycle Atlanta Data Collection Framework: Infrastructure

Assets

- + Bike parking
- + Bike shops or repair kits
- + Public restrooms
- + Secret passage
- + Water fountains

Issues

- Pavement issue
- Traffic signal
- Enforcement
- Bike parking
- Bike lane issue





Cycle Atlanta Data Collection Framework: Demographic

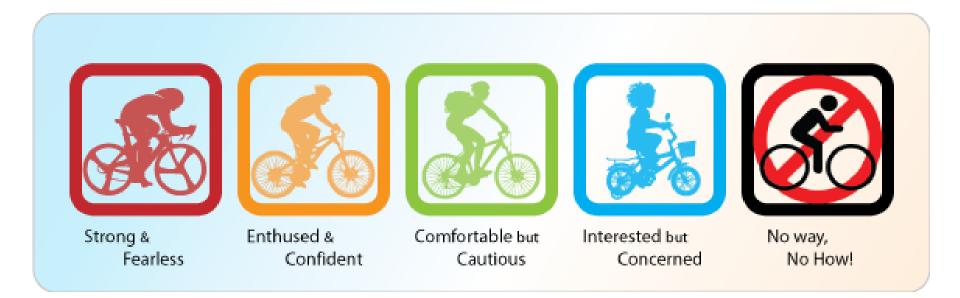








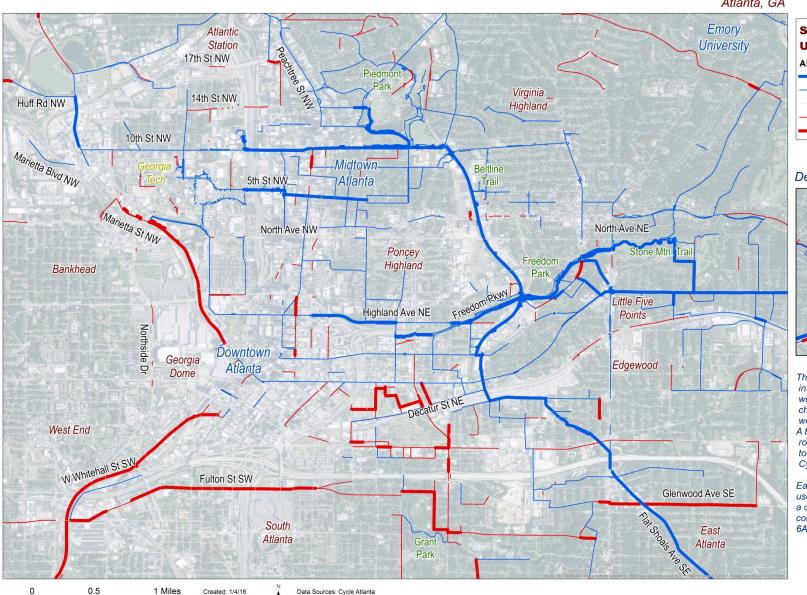
Rider Type







Atlanta, GA



Strava Metro





The variation explains the difference in percent chance that a Strava user would choose a route versus the chance that a Cycle Atlanta user would choose the same route. A thick red line indicates that the road is much more preferable to Strava users than to Cycle Atlanta users.

Each of the two apps allows users to designate a trip as a commute trip. The AM commute for this map is 6AM - 12PM





Rohit Ammanamanchi

Decision to chose bicycling as a mode

Mean Conditions Score					Comfortable but Cautious		rned	
		Mean Score	Std. Dev.	Mean Score	Std. Dev.	Mean Score	Std. Dev.	Significance in difference in mean scores (ANOVA)
Bike Lane 3.13	2.02	3.41	2.08	3.47	2.02	3.29	1.89	* * *
Separate Path 3.00	1.98	3.39	2.09	3.65	2.08	3.72	2.00	* * *
Heavy Traffic 1.44	1.35	1.07	1.25	0.64	1.10	0.43	0.98	***
High Speed 1.03	1.28	0.60	1.08	0.47	0.96	0.31	0.83	***
Safe Routes 3.06	2.08	3.08	2.12	3.04	2.10	2.78	2.10	*
Directness 3.03	1.96	2.98	1.93	3.07	1.95	3.18	2.03	
Poor Pavement 1.57	1.31	1.42	1.21	1.20	1.25	1.11	1.25	***
Steep Hill 2.31	1.43	2.16	1.41	1.85	1.40	1.28	1.22	* * *
Parked car 2.23	1.26	2.18	1.20	1.97	1.25	1.68	1.24	* * *
Traffic Signal 2.15	1.28	2.20	1.22	2.00	1.34	1.79	1.45	*
Attractive Scenery 2.82	1.83	2.86	1.76	2.96	1.78	2.84	1.79	

Responses coded as five point Likert scale (Much less likely = 1)

Scores > 3.00 indicate a preference for facility or condition

*** indicate significance at 0.001 level, ** 0.01 level, and * 0.05 level

Findings

- 1. Female and senior cyclists are found to be in general low confidence, low comfort riders and they significantly differ in their route choice and infrastructure preference from their more confident counterparts.
- Although cyclists with more riding experience tend to see themselves as more confident riders, preference for separate infrastructure pervades all rider types, as does the negative influence of high speed and volume traffic.
- Cyclists are generally found to shy away from longer trips and hence, when faced with the trade-off between a significant detour and safety concerns, they may not make the trip itself.

