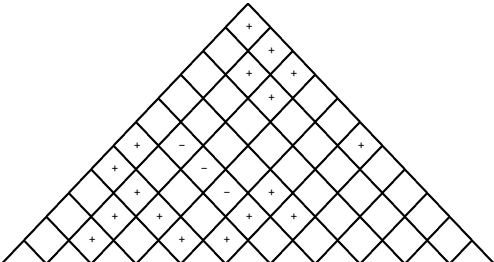


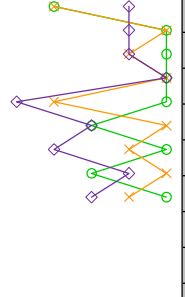
House of Quality
Jacob Hoffman & Cody Klingler
Project: Cycle Statistic Tool
Revision: 2
Date: 10/6/2020

Correlations	
Positive	+
Negative	-
None	

Relationships	
Strong	●
Moderate	○
Weak	▽
None	

Direction of Improvement	
Maximize	▲
Minimize	▼



Row # Customer Requirements (Explicit and Implicit)		Column #				1	2	3	4	5	6	7	8	9	10	11								
		Direction of Improvement				▼	▲	▲	▲	▼	▲	▲	▲	▼	▼	▼								
		Units				m³	%	%	%	¢	IP	hr	mo	s										
		Hobby Cyclists	Competitive Cyclists	Trainers	Athletes	Size	Overall Accuracy of Sensors	Accuracy of Power Measurement	Accuracy of Speed Measurement	Cost of Materials	Weatherproof	Battery Life	Product Lifespan	Time to View Metrics in App	Setup Steps Before Use	Steps to Attach to Bike	Strava Fitness App	Fitbit	Stages Power Meter					
1	Accuracy of Measurements	15	20	25	20	○	●	●	●	●		●			▽	○	2	2	4					Row #
2	Attaches Universally	15	15	10	15	○	▽	▽		▽			▽			▽	5	5	4					1
3	Ease of Use	15	5	15	10	▽	○	▽					●	●	●	●	5	4	4					2
4	Statistic Utilities in App	10	15	15	10						●						5	5	5					3
5	Price	15	5	10	10	○	●	○	▽	●	▽	●	○			▽	5	2	1					4
6	Weatherproof	10	10	5	5	○				○						●	3	5	3					5
7	Ease of Setup	10	5	5	10									●	●	●	5	4	2					6
8	Battery Life	5	15	5	10	▽				●		●					3	5	4					7
9	Durability	5	10	10	10	▽				●	●		●				5	4	3					8
						Target	.2m³	90%	80%	95%	\$500	IP54	1.2hrs	6 mos.	2s	3s	15					9		
						Threshold	.5m³	60%	60%	85%	\$700	IP23	3hrs	2 mos.	6s	6s	40							
Relative Importance		Hobby Cyclists				26%	25%	21%	19%	22%	17%	21%	22%	30%	32%	30%								
		Competitive Cyclists				25%	19%	22%	23%	27%	27%	26%	25%	10%	14%	20%								
		Trainers				25%	28%	28%	29%	26%	28%	26%	27%	30%	27%	25%								
		Athletes				25%	28%	28%	29%	26%	28%	26%	27%	30%	27%	25%								