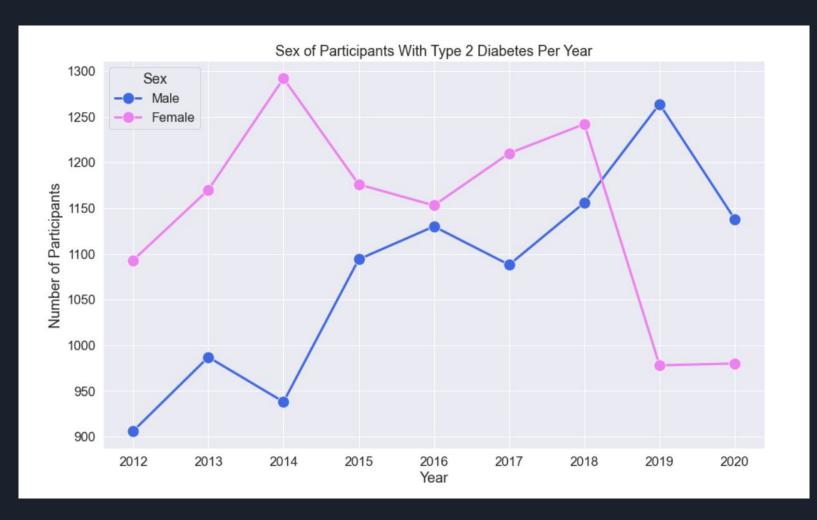
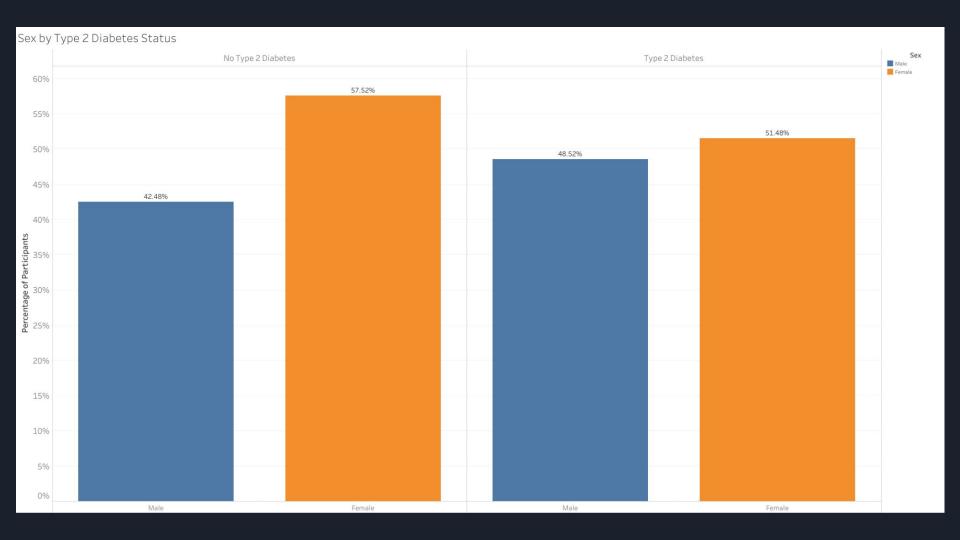
Visualizations

Kelly Im, Brian Wang, Alvin Zou

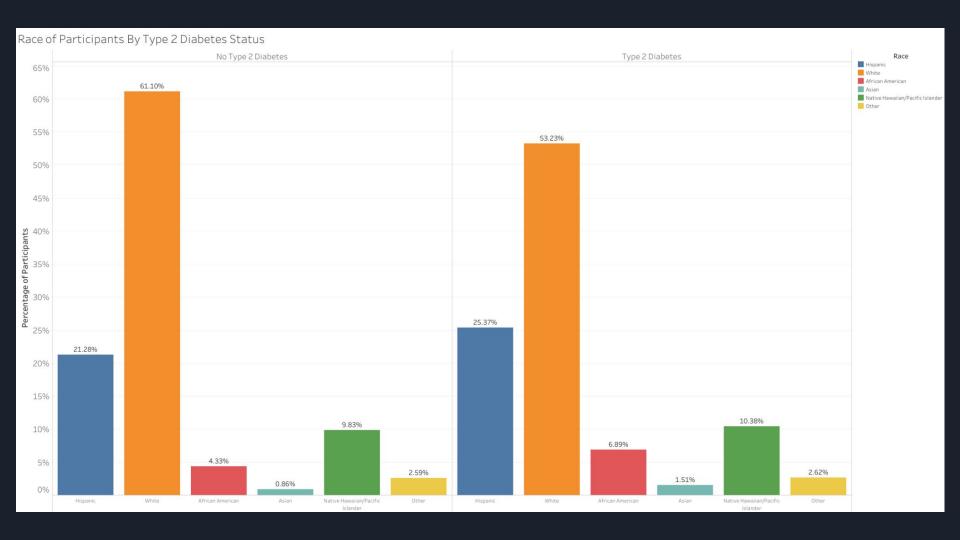


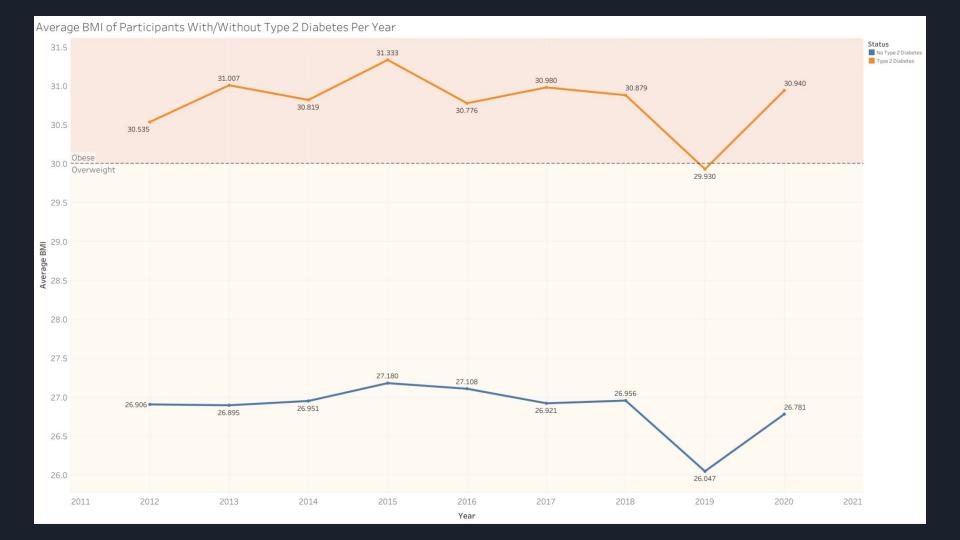


Age of Participants By Type 2 Diabetes Status No Type 2 Diabetes Age 18-25 Type 2 Diabetes 26-29 17% 30-34 16.56% 35-39 40-44 16.03% 45-49 16% 50-54 55-59 15% 14.40% 65-69 70-74 14% 75-79 80-84 85+ 13% 12% 11.63% Percentage of Participants 10.72% 10.51% 10.67% 9.71% 8.59% 8.51% 8.16% 8.07% 7.05% 6.91% 6.41% 6.20% 6.16% 6% 5.78% 5.36% 5% 4.72% 4.58% 4.19% 4% 3.71% 3% 2.58% 2% 1.46% 1% 0.69%

0.32% 0.34%

18-25 26-29 30-34 35-39 40-44 45-49 50-54 55-59 60-64 65-69 70-74 75-79 80-84 85+





	Correlation Heatmap														1.0	
T2D		0.25	0.16	-0.23	-0.045	-0.15	-0.08	0.19	-0.15	0.19	0.013	0.0058	30.039			
General Health	0.25	1	0.29	-0.26	-0.14	-0.22	-0.28	0.25	-0.14	0.11	0.31	-0.08	-0.14		-	8.0
# Doctor Visits Past Year	0.16	0.29	1	-0.2	-0.14	-0.21	0.03	0.096	-0.15	0.22	0.13	0.0056	0.0018			
High Blood Pressure	-0.23	-0.26	-0.2	1	0.06	0.21	0.093	-0.18	0.27	-0.33	0.003	0.03	0.065			0.6
Asthma	-0.045	-0.14	-0.14	0.06	1	0.057	0.0054	-0.1	0.003	0.0004	1-0.1	0.006	0.0064		_	0.4
Heart Disease	-0.15	-0.22	-0.21	0.21	0.057	1	0.012	-0.048	0.24	-0.27	-0.014	0.0033	0.026			
Educational Attainment	-0.08	-0.28	0.03	0.093	0.0054	0.012	1	-0.13	0.09	0.065	-0.11	0.069	0.17		-	0.2
BMI	0.19	0.25	0.096	-0.18	-0.1	-0.048	-0.13	1	0.015	-0.009	0.063	-0.06	-0.072		_	0.0
Current Health Coverage	-0.15	-0.14	-0.15	0.27	0.003	0.24	0.09	0.015	1	-0.67	0.12	-0.013	0.058	Co.		0.0
Age	0.19	0.11	0.22	-0.334	0.0004	10.27	0.065	-0.009	-0.67	1	-0.22	0.042	0.0017		_	-0.2
Serious Psychological Distress	0.013	0.31	0.13 -	0.0031	-0.1	-0.014	-0.11	0.063	0.12	-0.22	1	-0.055	-0.044			0.4
# Times Eating Fruit Per Week -	0.0058	3-0.08	0.0056	0.03	0.006	0.0033	0.069	-0.06	-0.013	0.042	-0.055	1	0.46			-0.4
# Times Eating Vegetables Per Week	-0.039	-0.14	0.0018	0.065	0.0064	0.026	0.17	-0.072	0.058	0.0017	7-0.044	0.46	1		-	-0.6
	720	General Health	# Doctor Visits Past Year	High Blood Pressure	Asthma	Heart Disease	Educational Attainment	BMI	Current Health Coverage	Age	Serious Psychological Distress	# Times Eating Fruit Per Week	# Times Eating Vegetables Per Week			

ROC Curve and AUC

- The ROC curve plots the True Positive Rate against the False Positive Rate.
- The closer the ROC curve is to the top left corner, the better the model is.
- AUC stands for Area Under the ROC Curve.
- AUC score ranges from 0 to 1.
- The higher the AUC score, the better.

