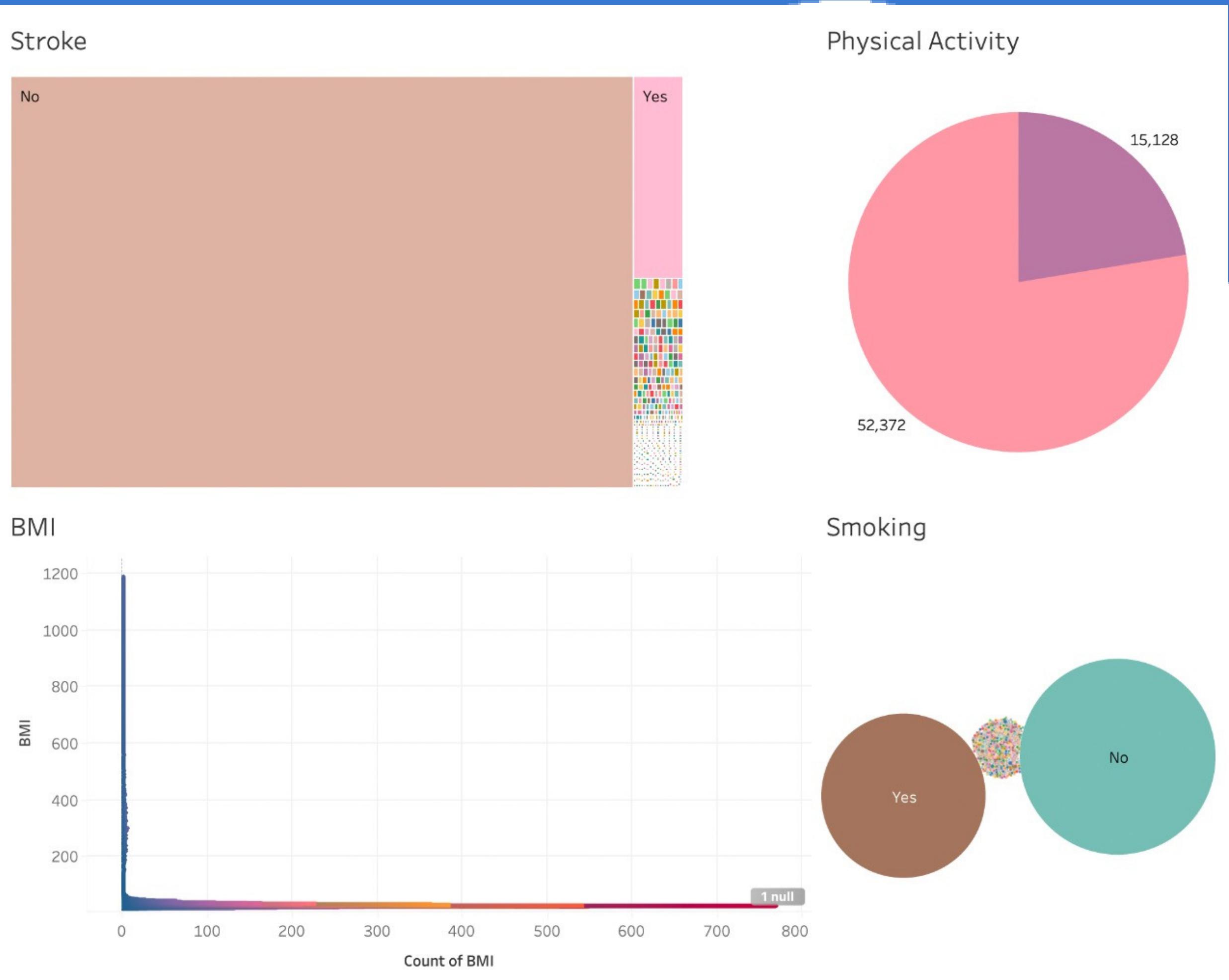


SaludAlpes

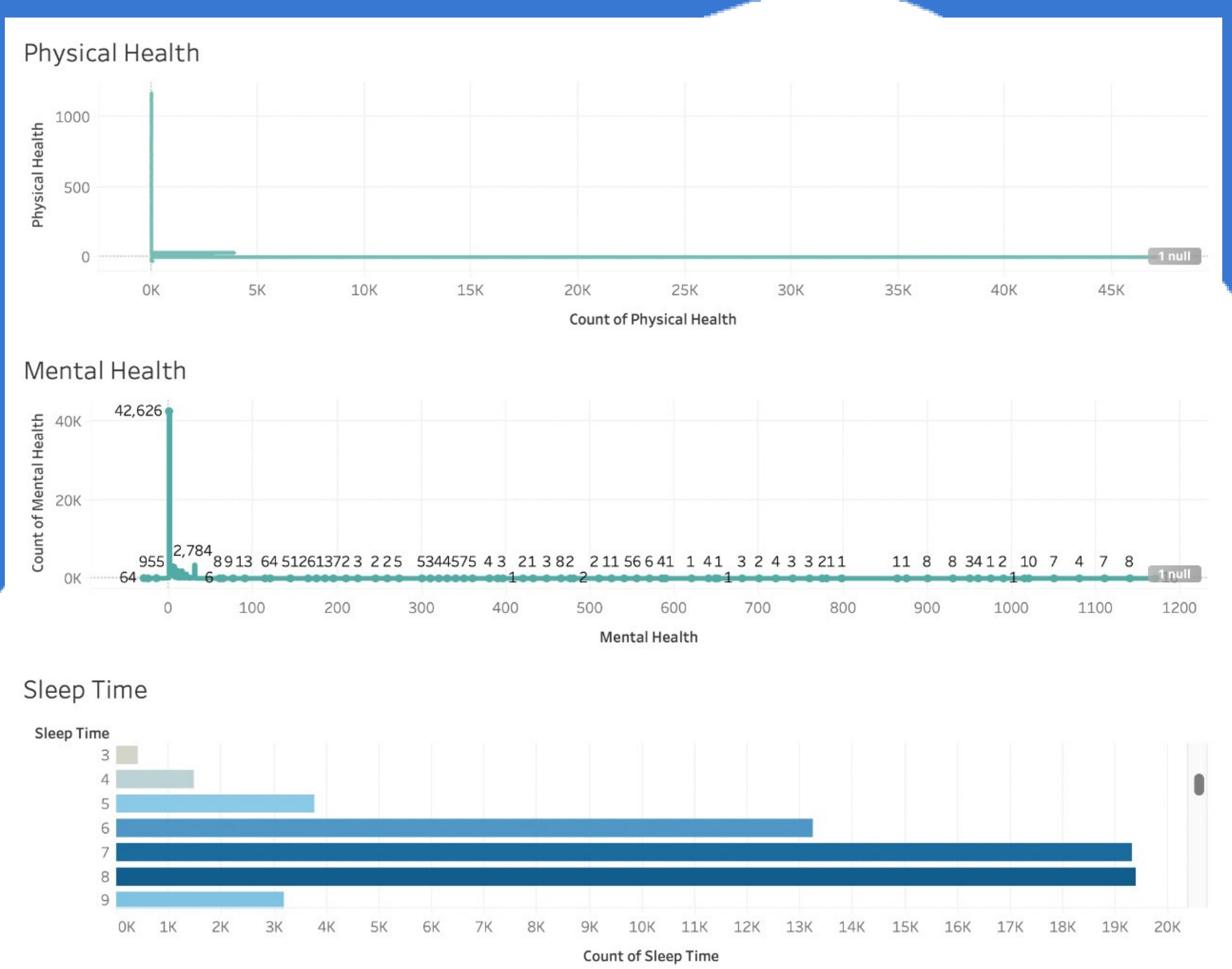
Martin, Alejandro & Gabriela



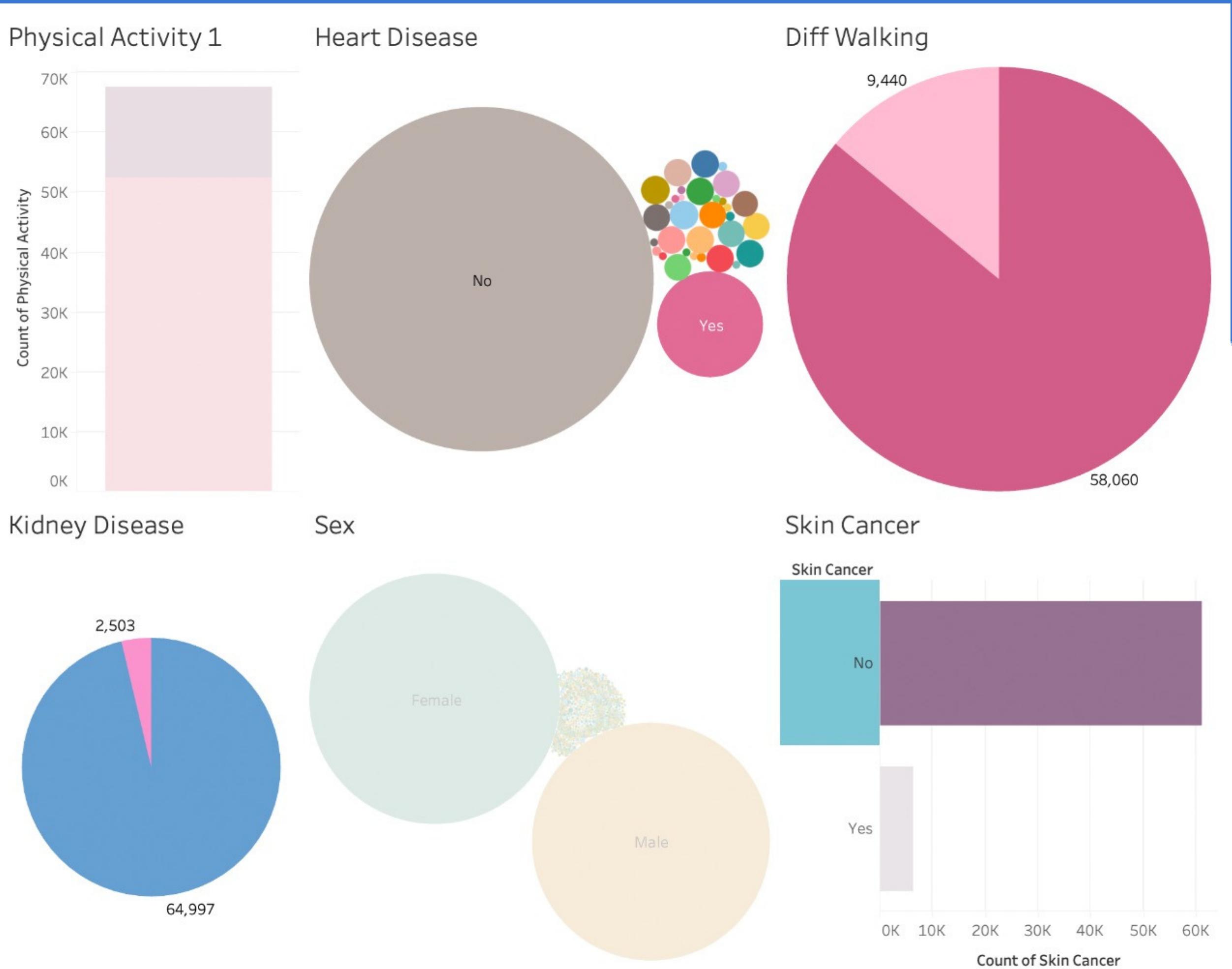
Datos Entregados



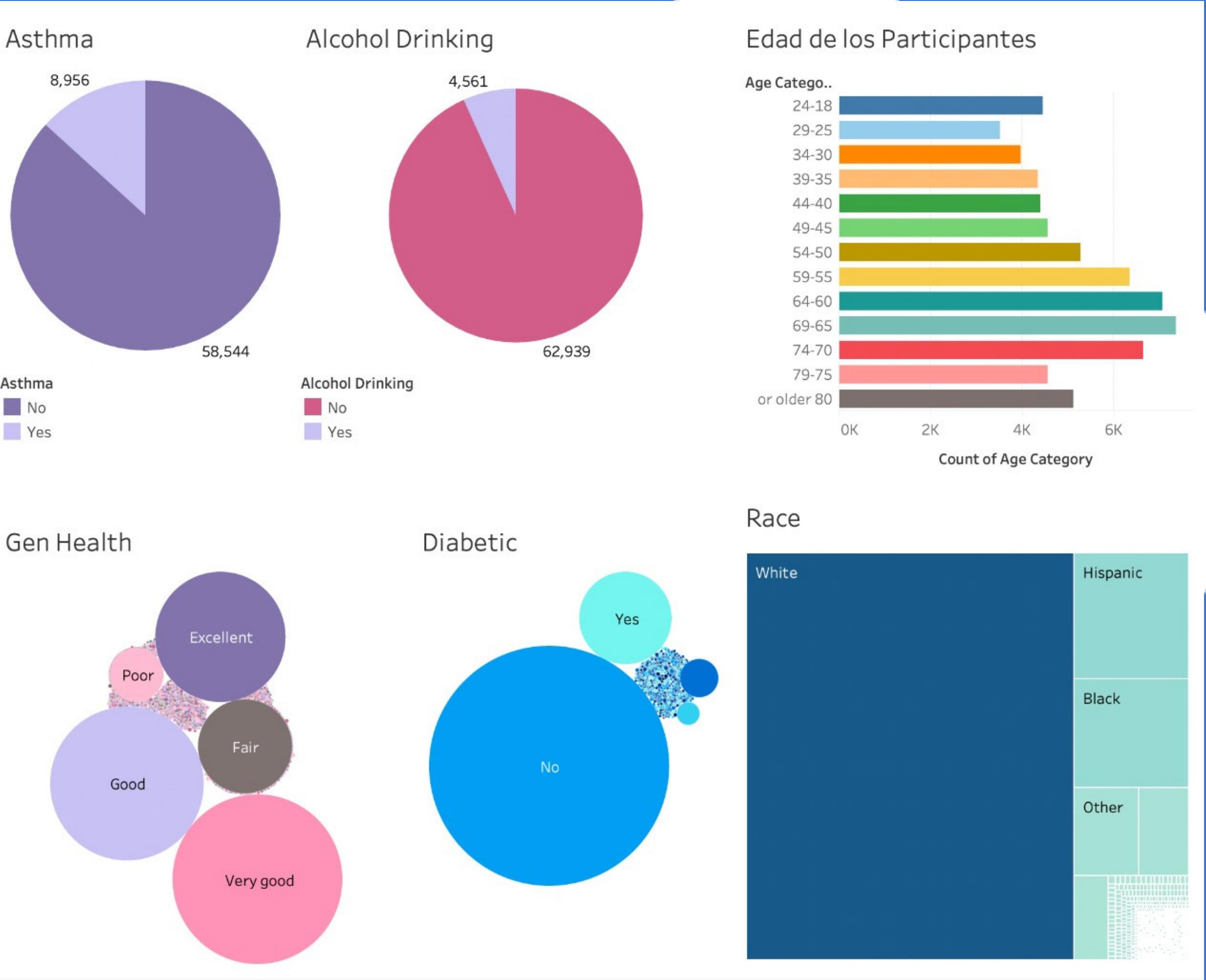
Datos Entregados



Datos Entregados



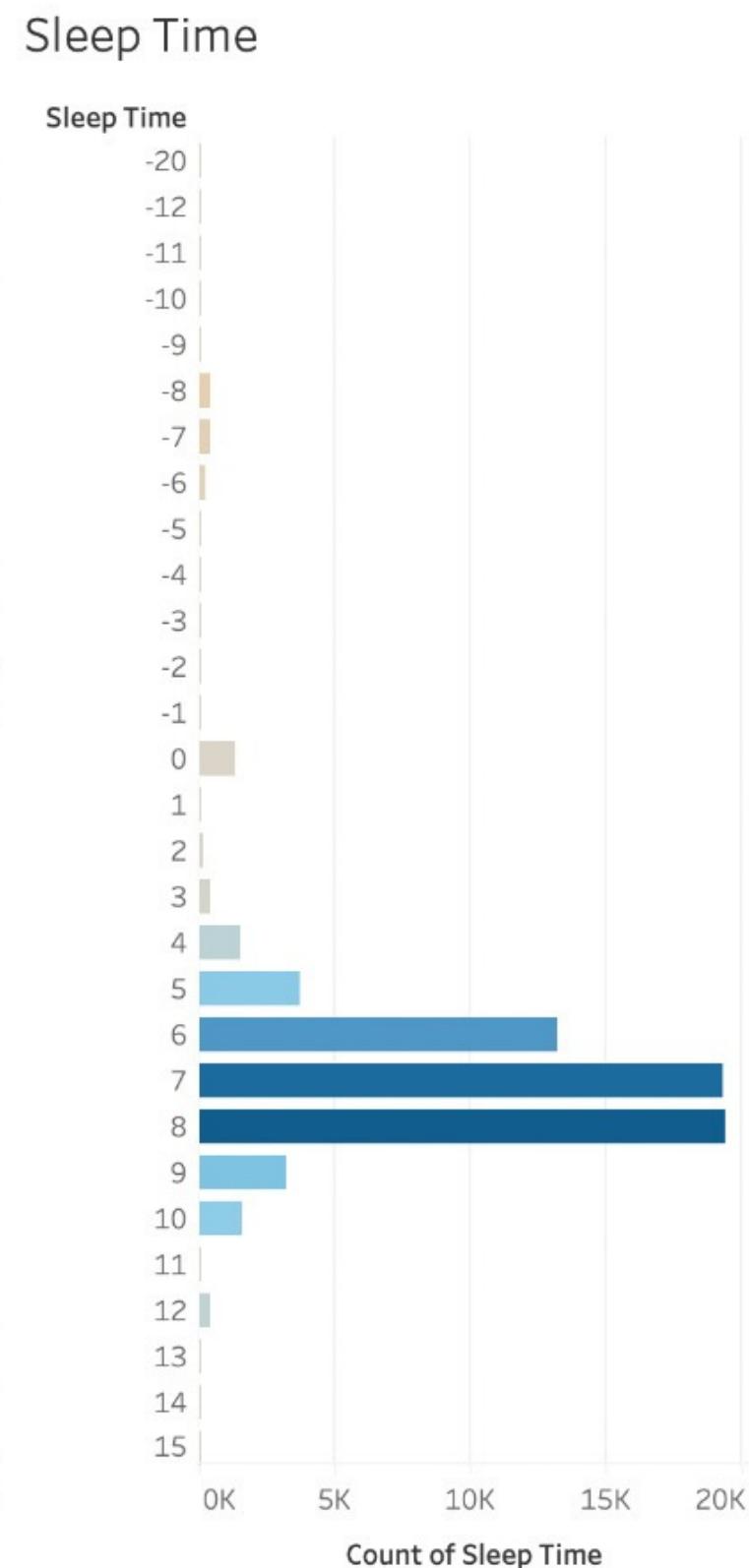
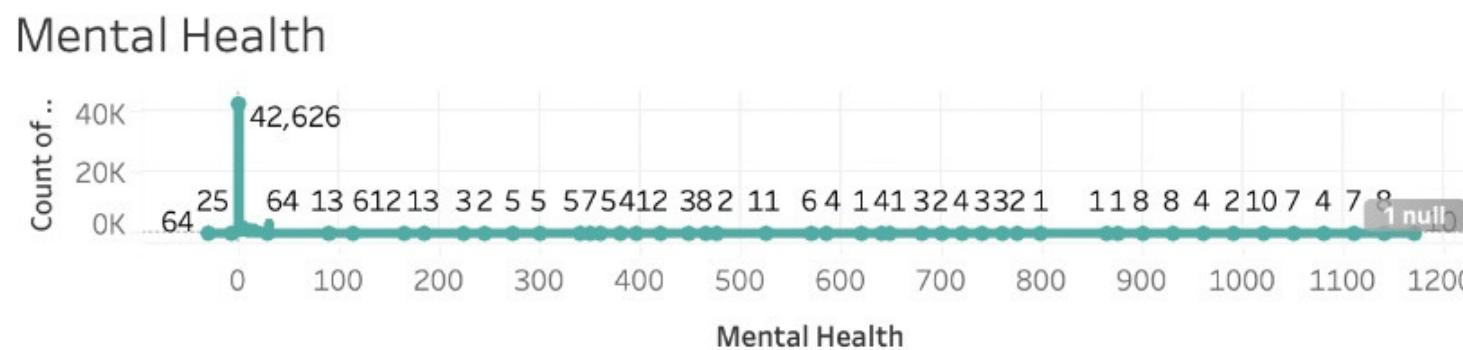
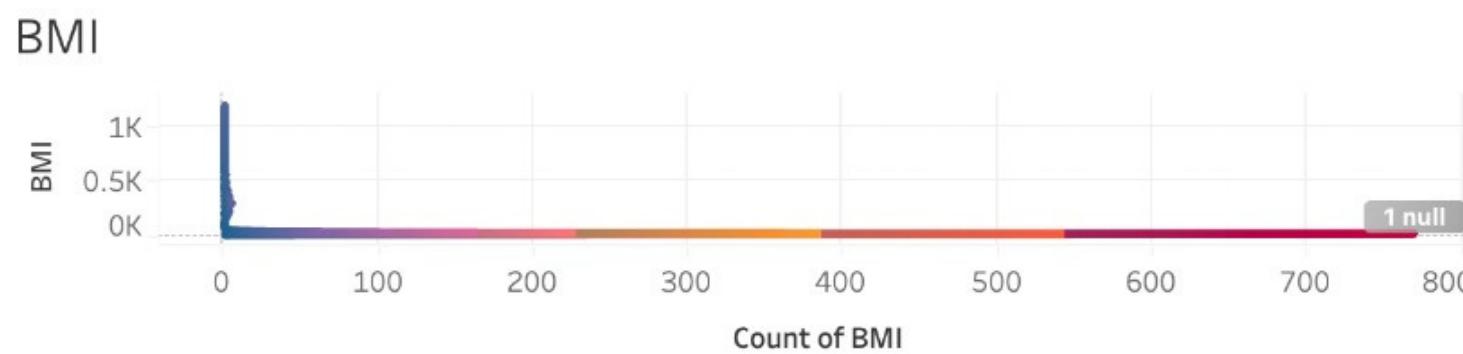
Datos Entregados



Dashboard Unificado



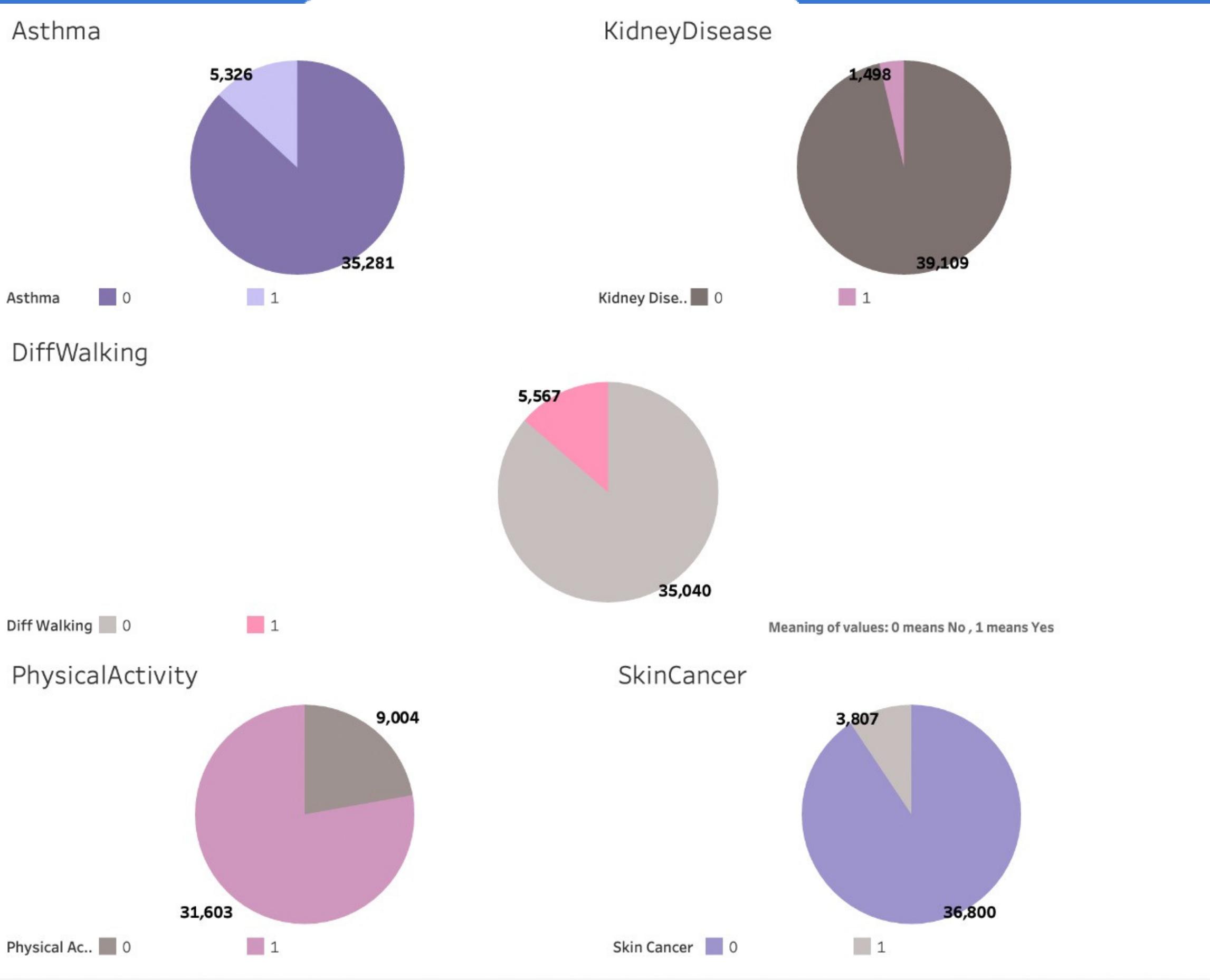
Numero de datos: 7500
Numero de Datos Nulos : 1
Numero de Categoria: 19



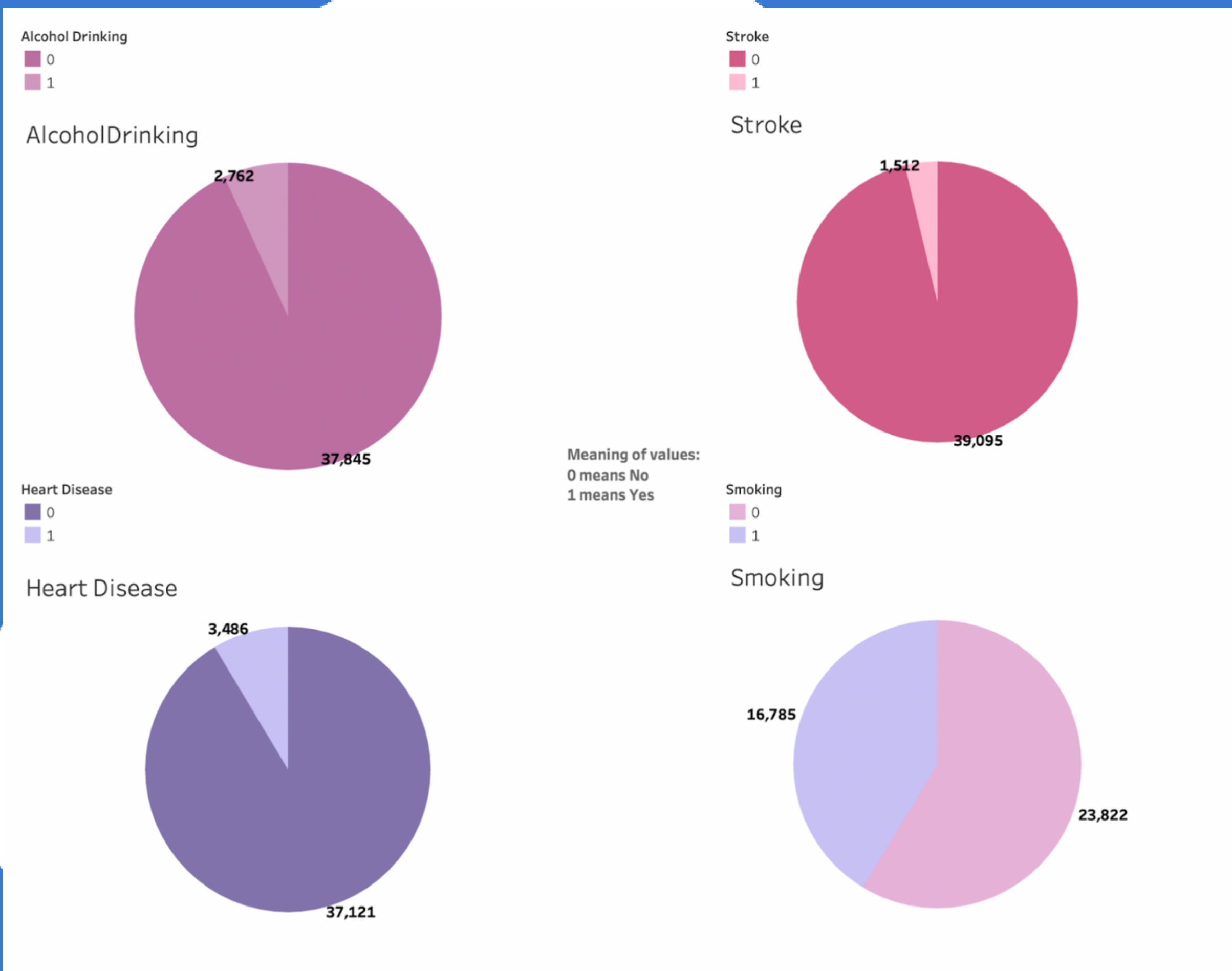
Conversión de todas las categorías a datos numéricos

Column name	Initial values	Modified values
HeartDisease	Yes/No	1/0
BMI	$1 < x < 99$	$1 < x < 99$
Smoking	Yes/No	1/0
AlcoholDrinking	Yes/No	1/0
Stroke	Yes/No	1/0
PhysicalHealth	$0 \leq x \leq 30$	$0 \leq x \leq 30$
MentalHealth	$0 \leq x \leq 30$	$0 \leq x \leq 30$
DiffWalking	Yes/No	1/0
Sex	F/M	1/0
AgeCategory	$50 \leq x$	$50 \leq x \leq 80$
Diabetic	Yes/No	1/0
PhysicalActivity	Yes/No	1/0
GenHealth	Poor/ Fair/ Good/Very Good/ Excellent	1/2/3/4/5
SleepTime	$0 \leq x \leq 24$	$0 \leq x \leq 24$
Asthma	Yes/No	1/0
KidneyDisease	Yes/No	1/0
SkinCancer	Yes/No	1/0

Datos depurados

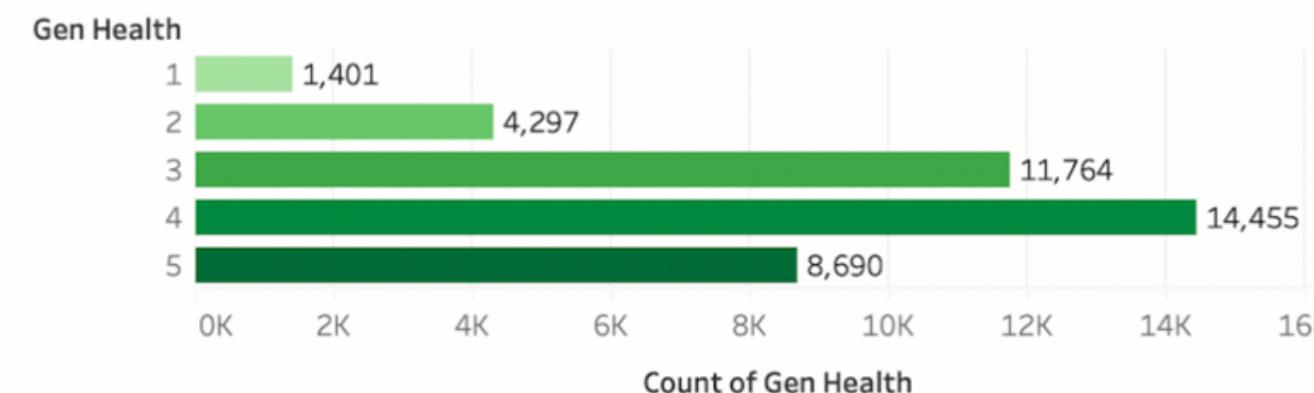


Datos depurados

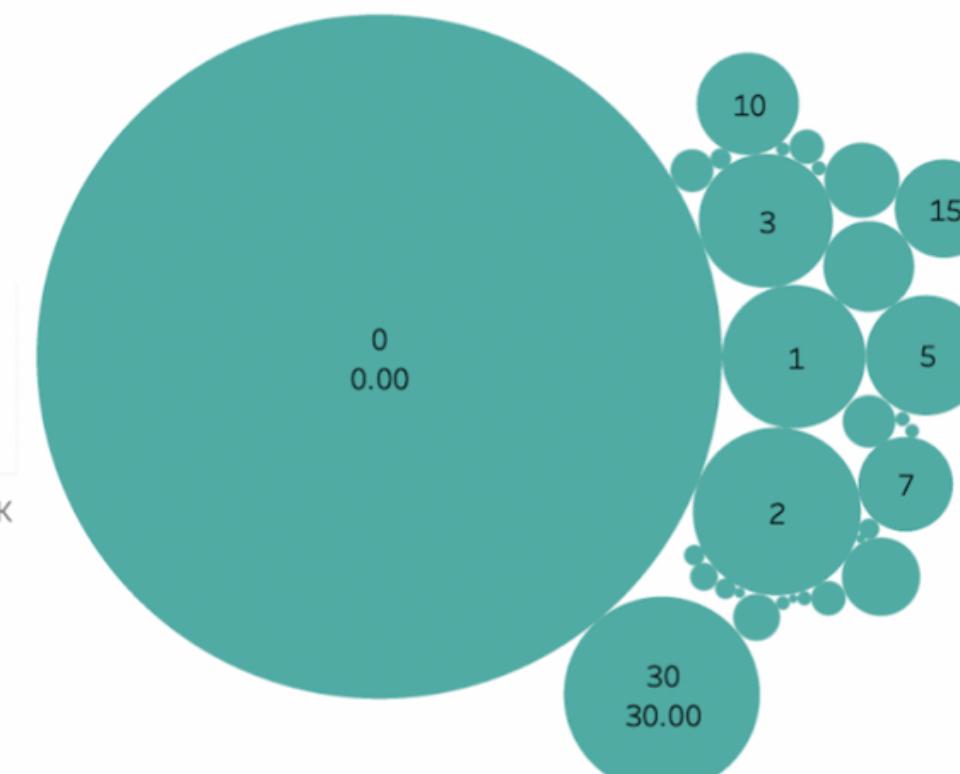


Datos depurados

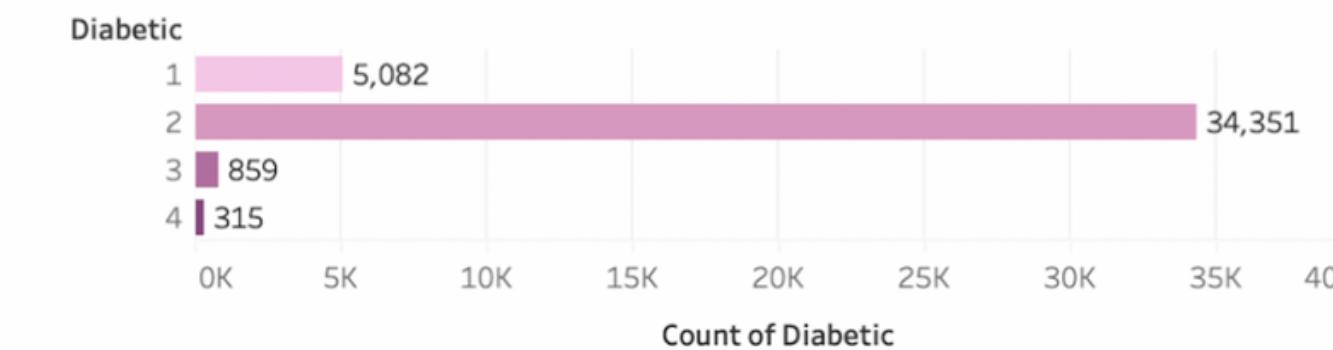
GenHealth



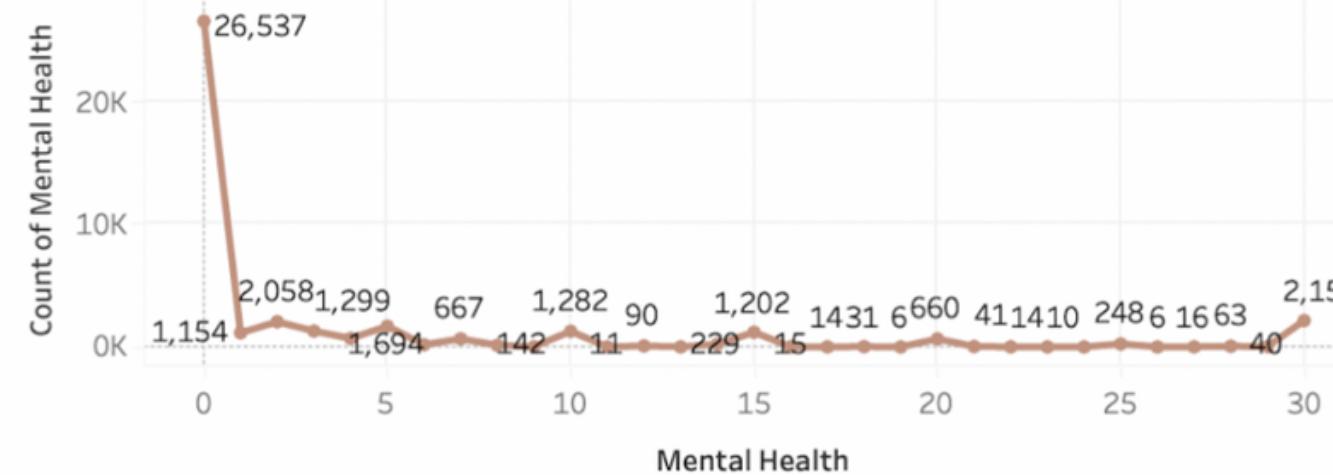
PhysicalHealth



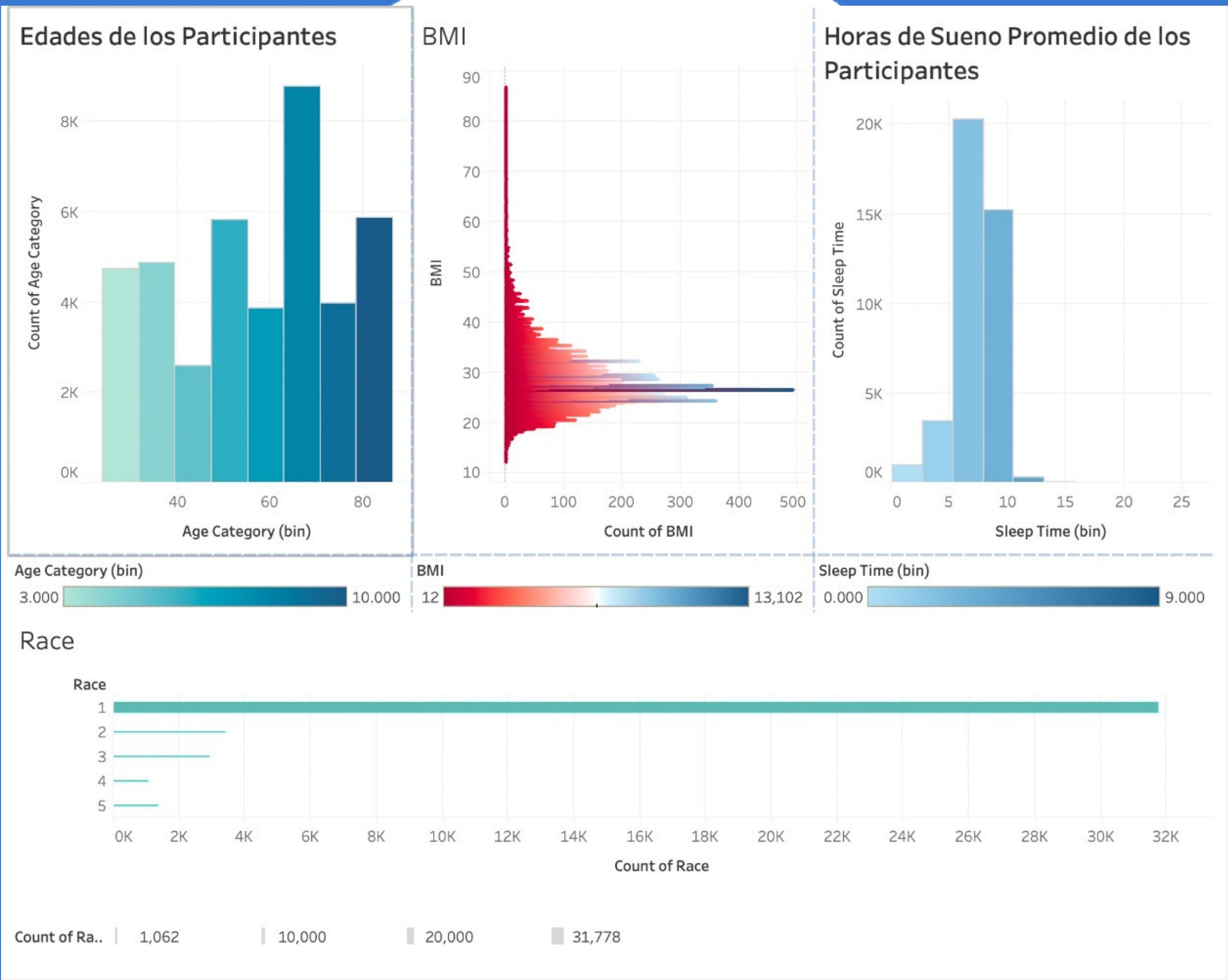
Diabetic



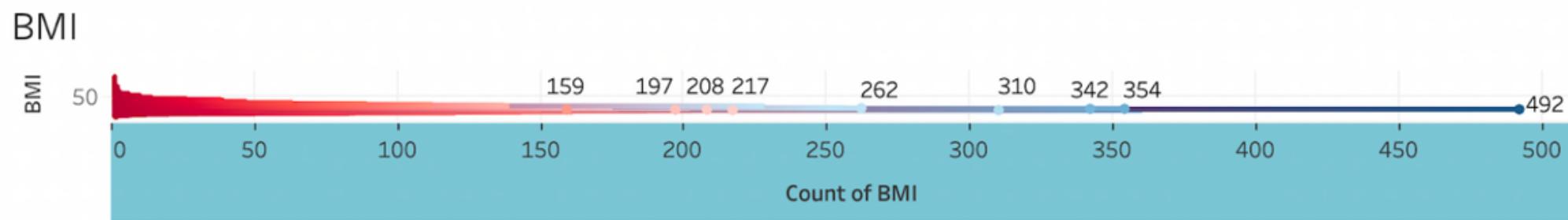
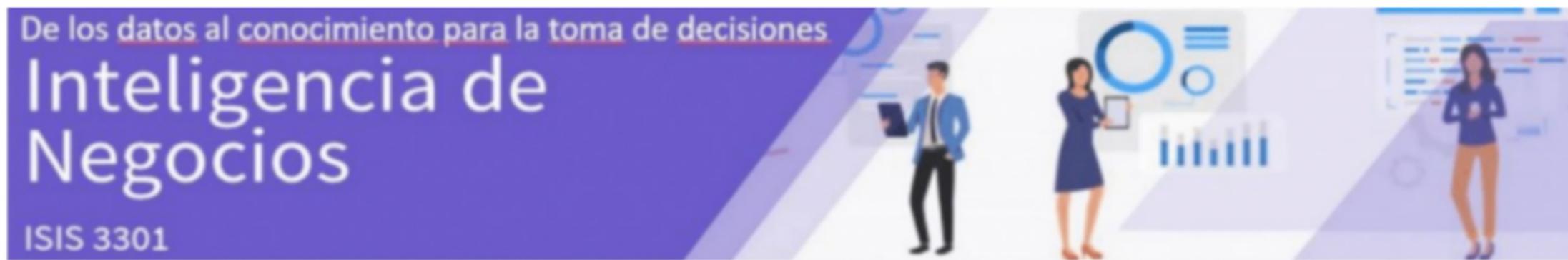
Mental Health



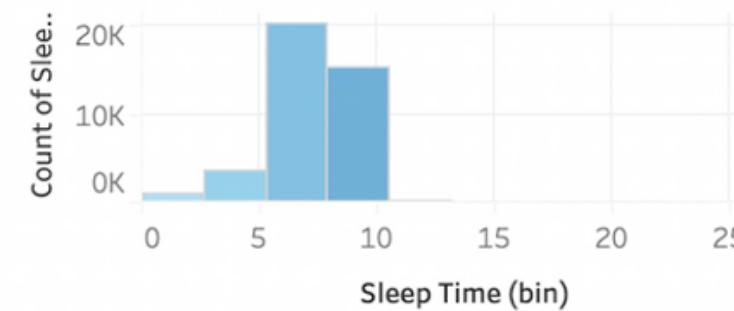
Datos depurados



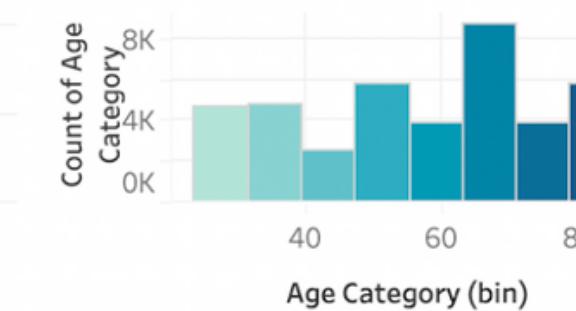
Dashboard Unificado



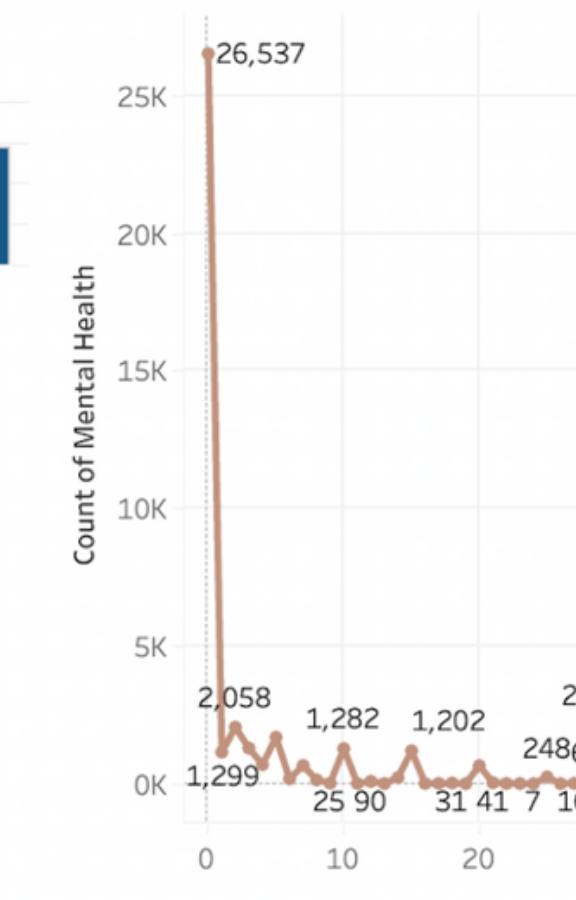
Horas de Sueño Promedio de los Participantes



Edades de los Participantes



Mental Health

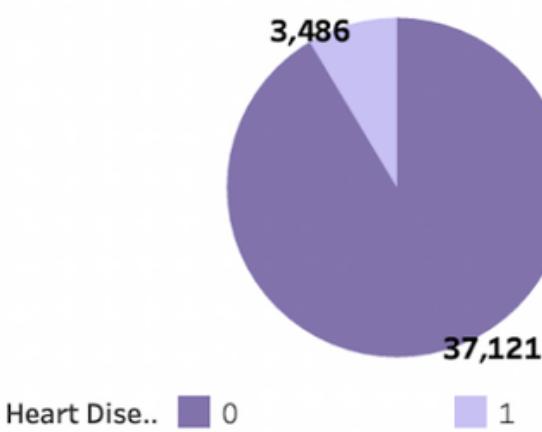


Numero de Datos:
40607

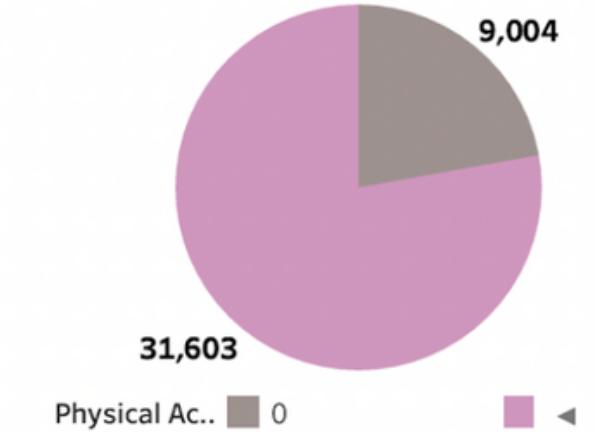
Valores Nulos:
26892

Numero de Categorias:
18

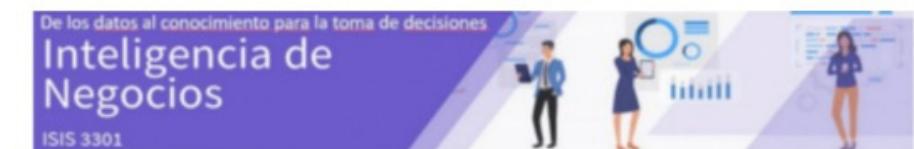
Heart Disease



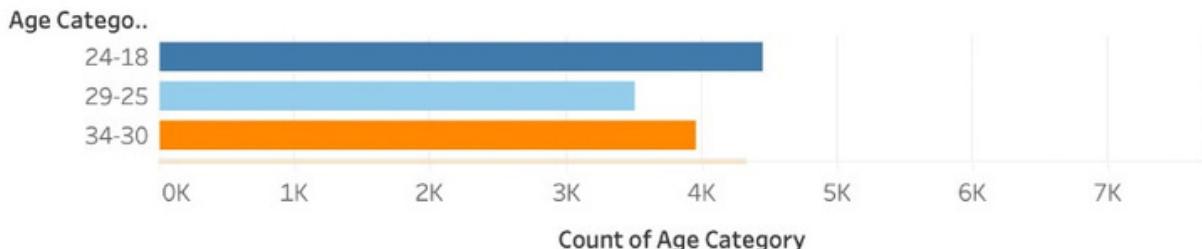
PhysicalActivity



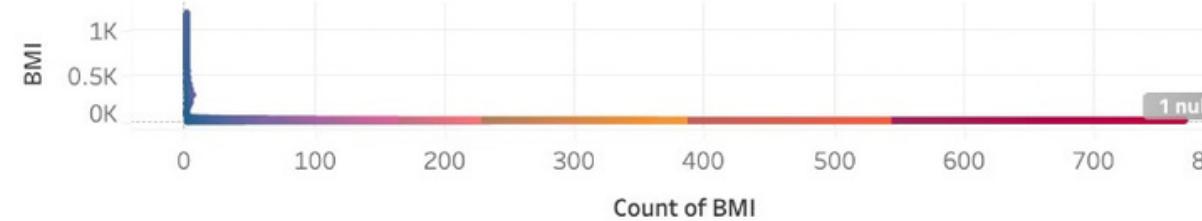
Comparación Dashboards Unificados



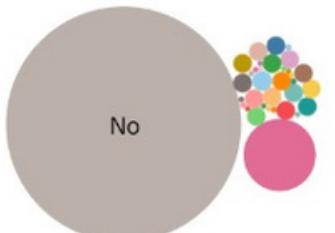
Edad de los Participantes



BMI



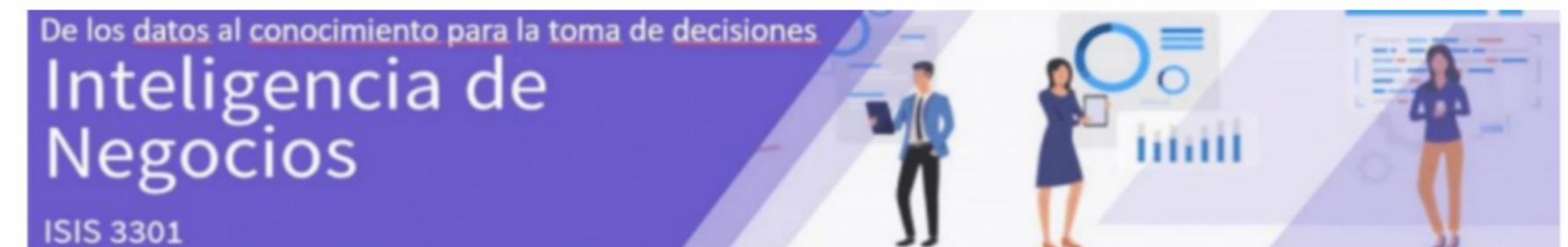
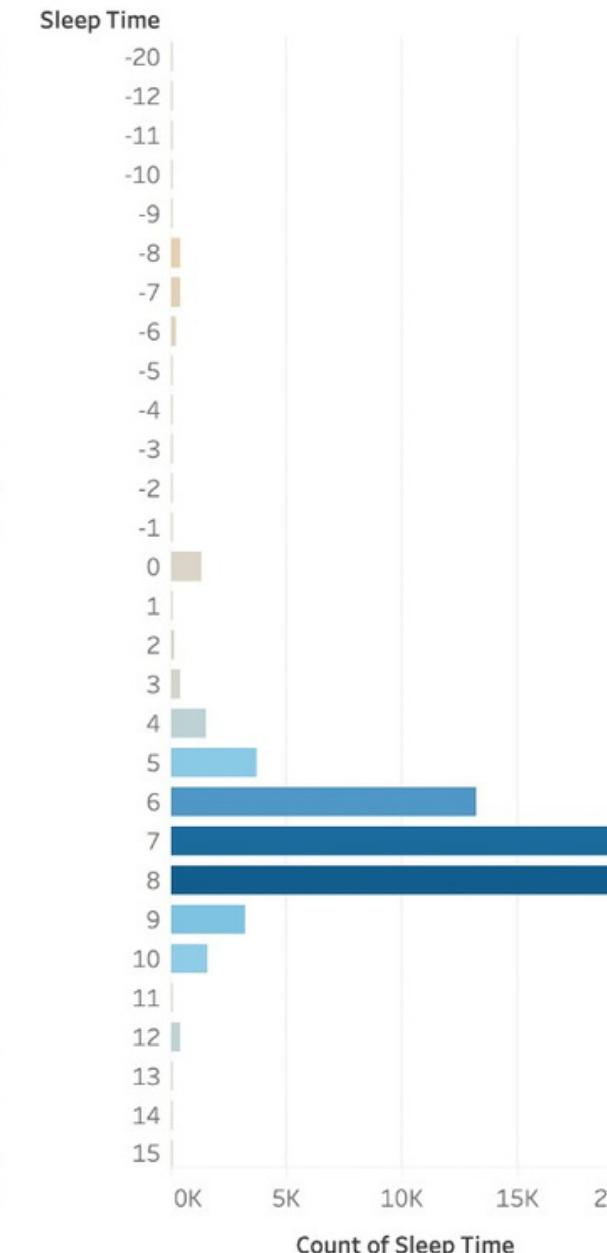
Heart Disease



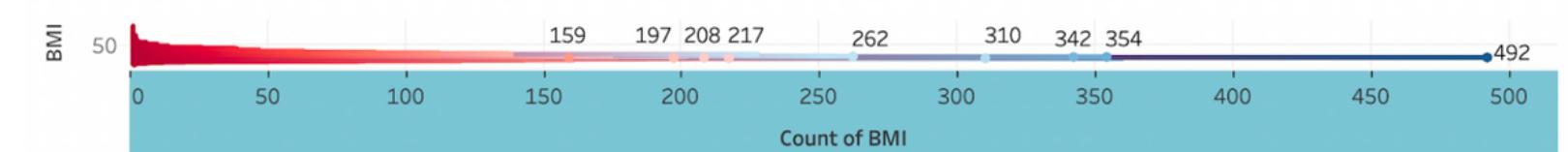
Mental Health



Sleep Time



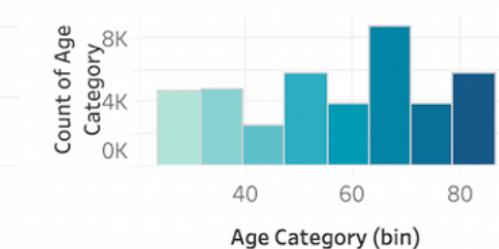
BMI



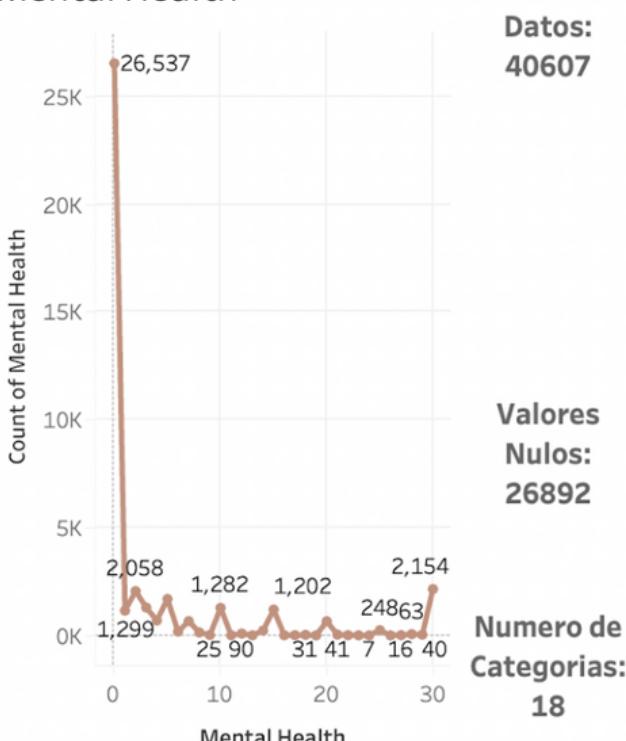
Horas de Sueño Promedio de los Participantes



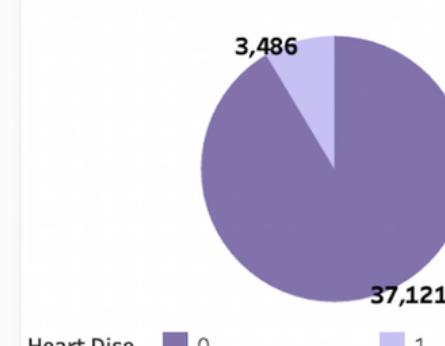
Edades de los Participantes



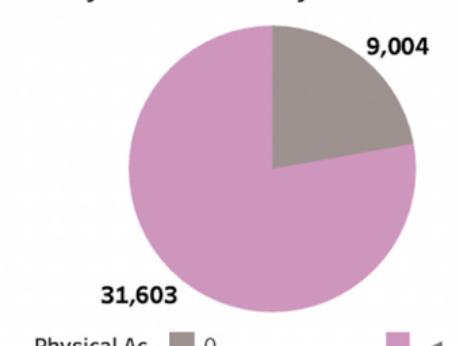
Mental Health



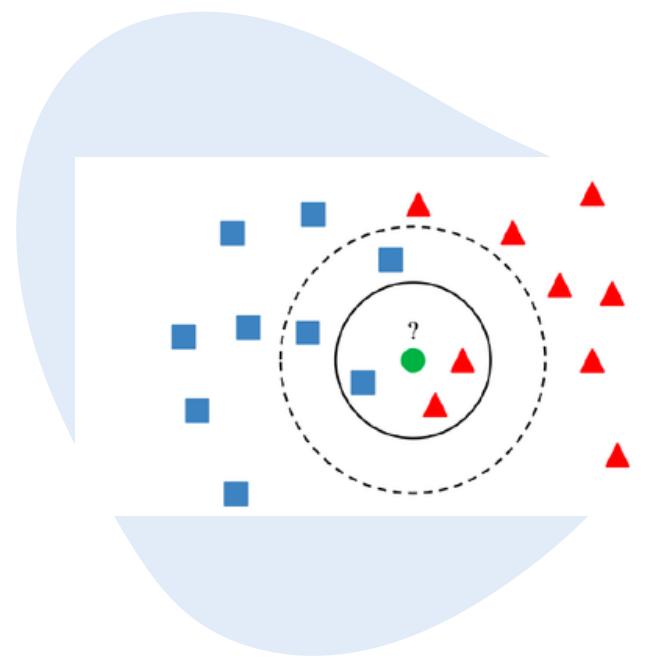
Heart Disease



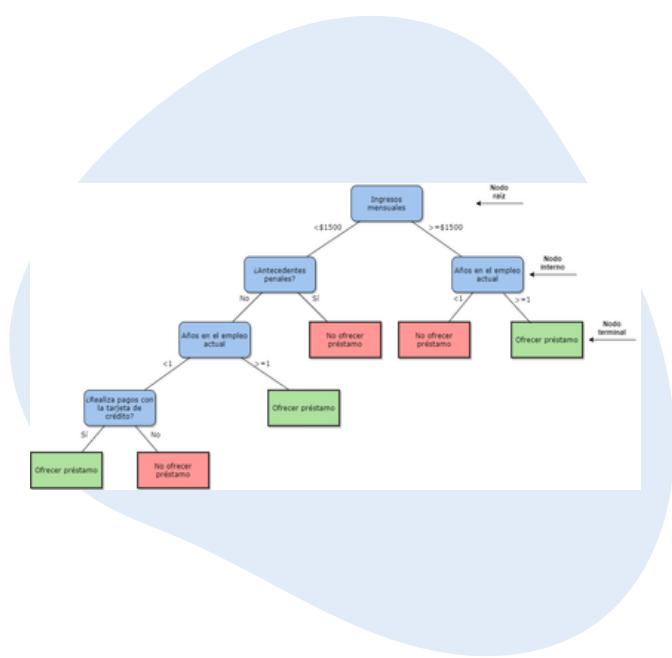
PhysicalActivity



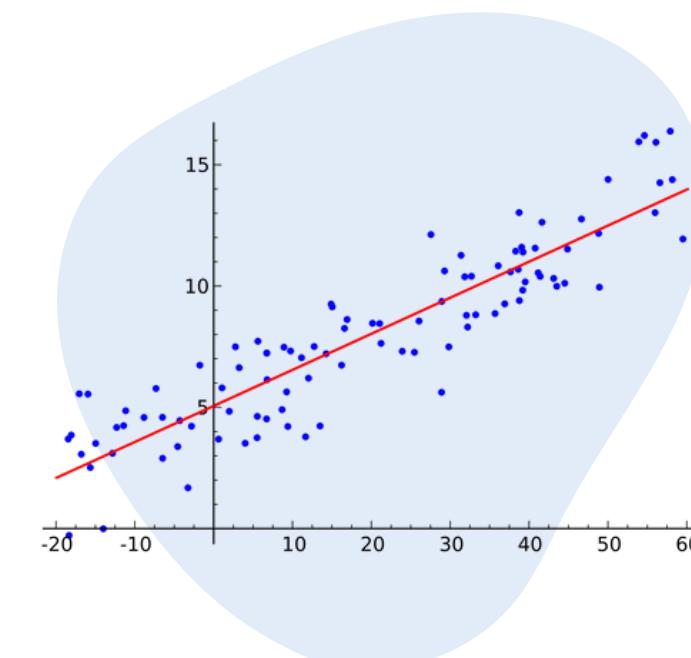
Modelos Escogidos



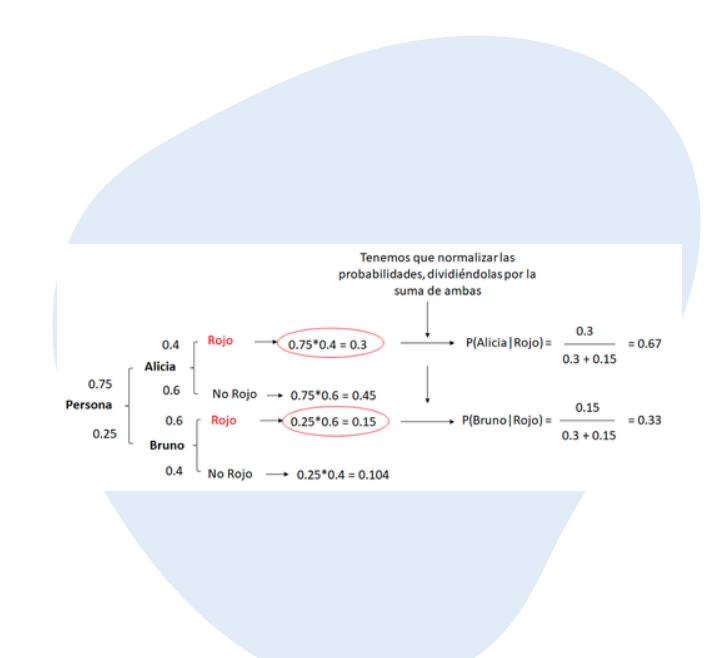
KNN



Arboles de Decisión



Regresión Lineal



Bayesiano Ingenuo
Gaussiano

KNN

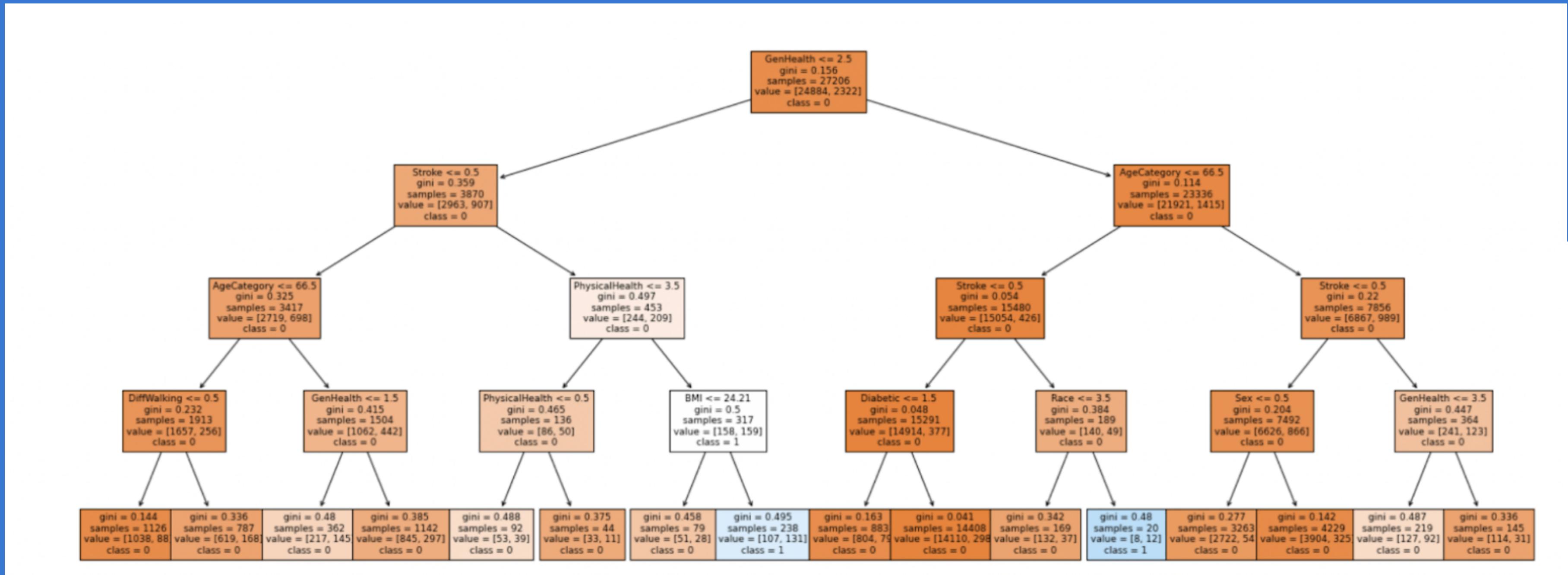
Exactitud: 0.93

Recall: 0.3939179632248939

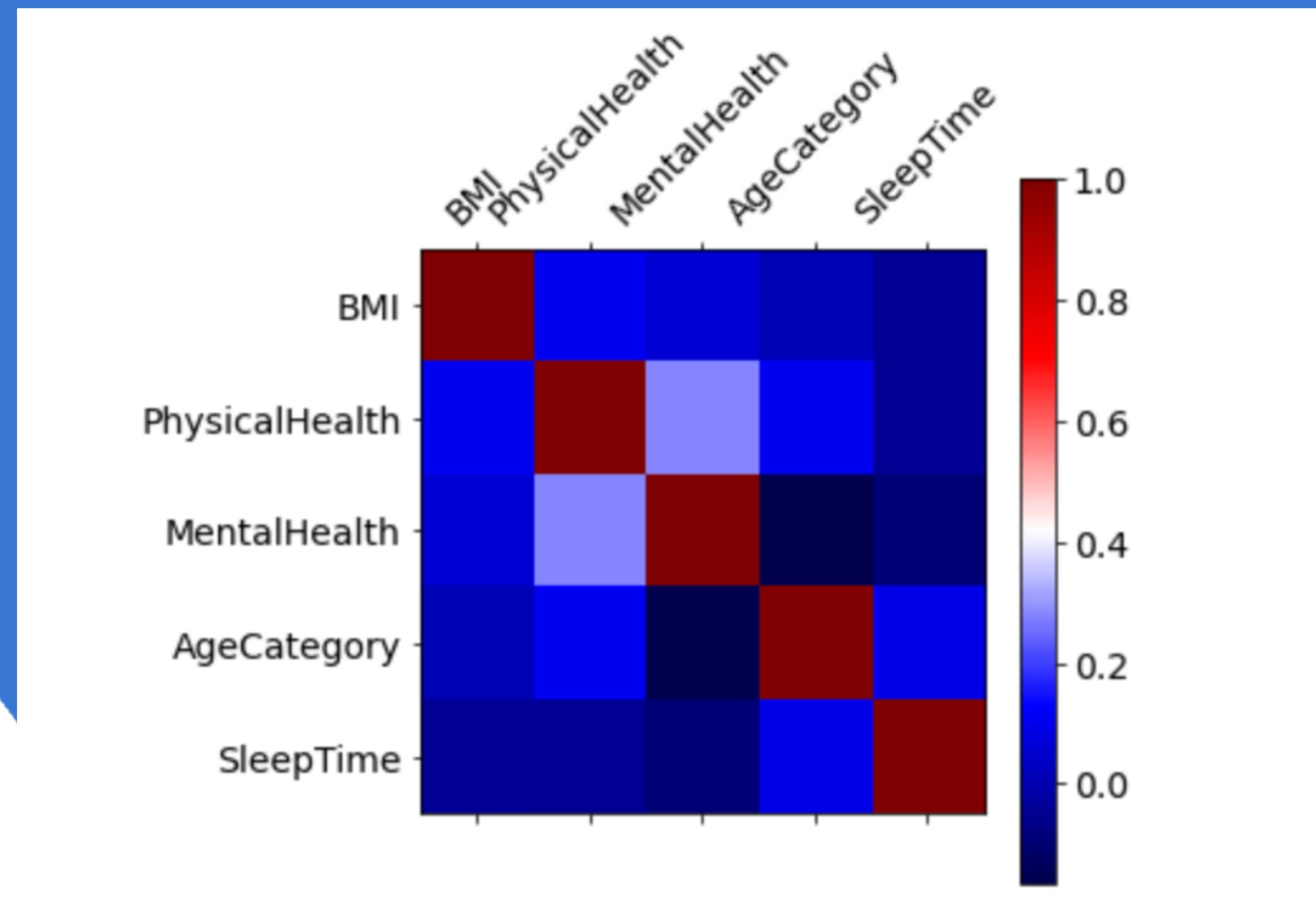
Precisión: 0.7219701879455606

Puntuación F1: 0.5097231754747198

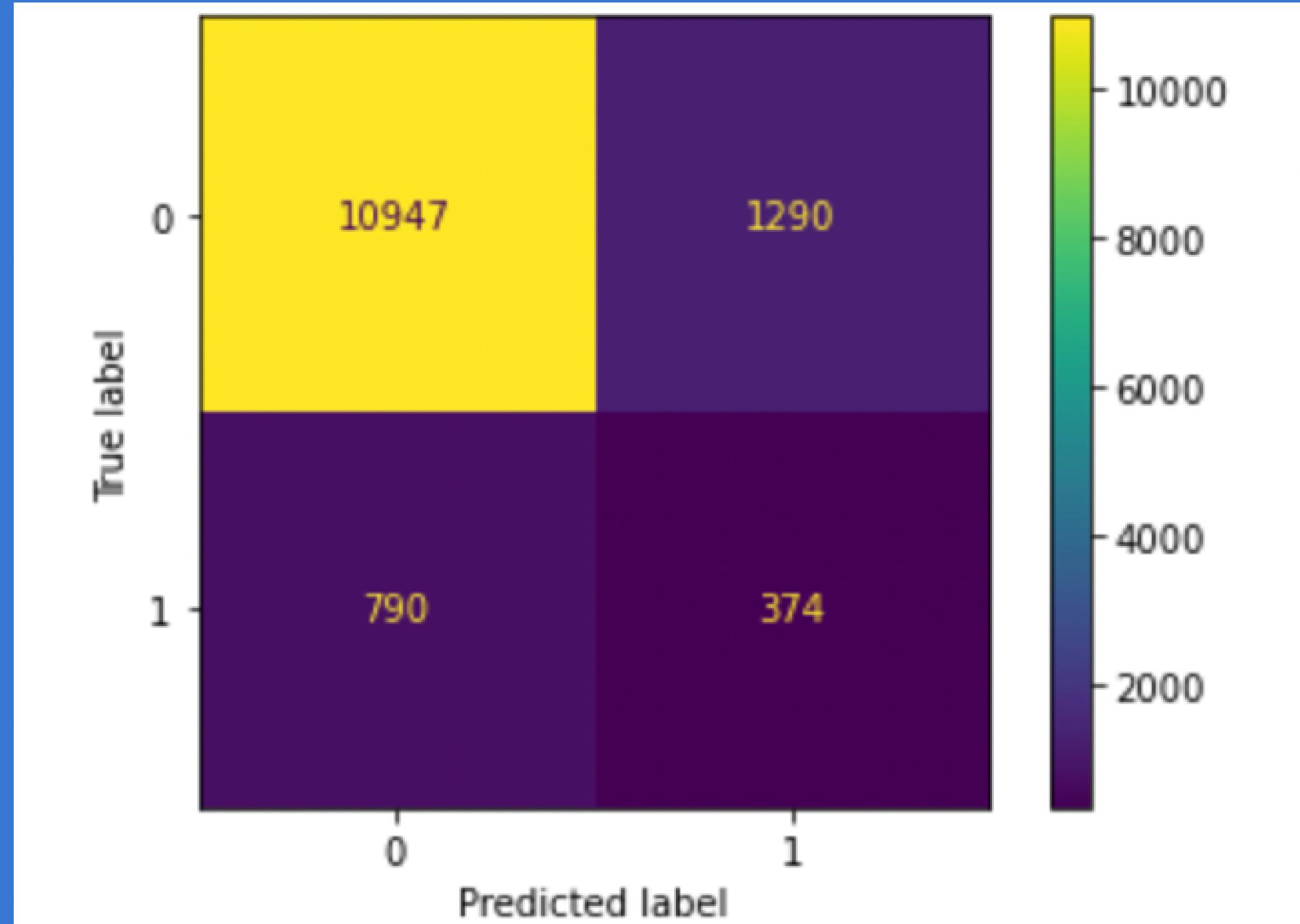
Arboles de Decisión



Regresión Lineal



Bayesiano Ingenuo Gaussiano



Exactitud: 0.84

Recall: 0.32130584192439865

Precisión: 0.2247596153846154

Puntuación F1: 0.2644978783592645

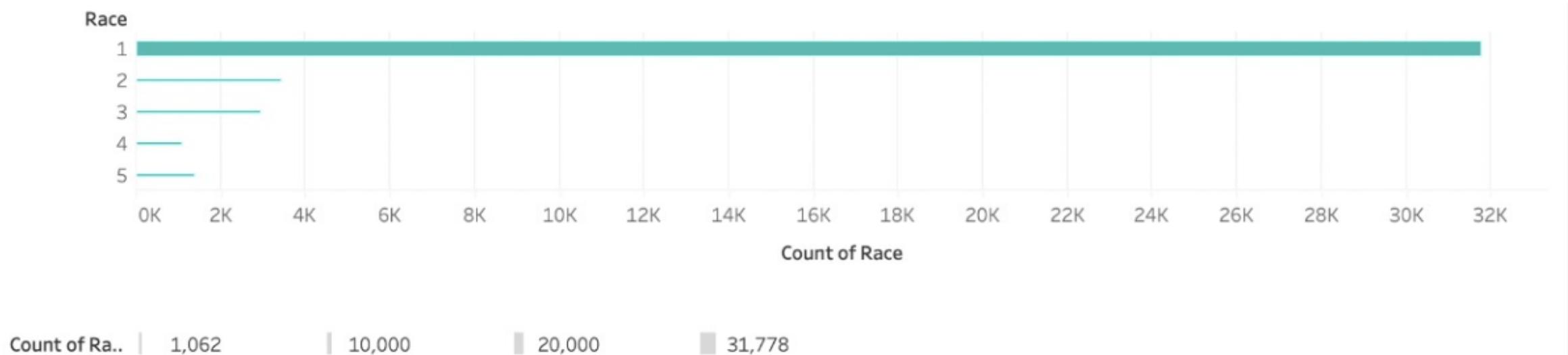
Comparación



	Exactitud	Recall	Precisión	F1
KNN	.93	.3939	.7220	.5097
Árboles de Decisión	.86	.2466	.2247	.2351
Árboles de Decisión con Cross Fold Validation (Resampling)	.91	.05	.41	0.09
Naive Gaussian Bayesian	.84	.4779	.2652	.3359

	Coeficiente de Determinación	Raíz del Error Cuadrático Medio
Regresion Lineal	0.0759	0.2692

Problemas



Muchas
Gracias

Preguntas?