

# SINAPSIS

Big Data Analytics en  
la salud



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# Tabla de contenidos



**01**

## Introducción

Breve introducción del tema



**04**

## Resultados

Resultados de correlación



**02**

## Datasets

Datasets a utilizar



**05**

## Referencias

Fuentes utilizadas para este estudio



**03**

## Estudio

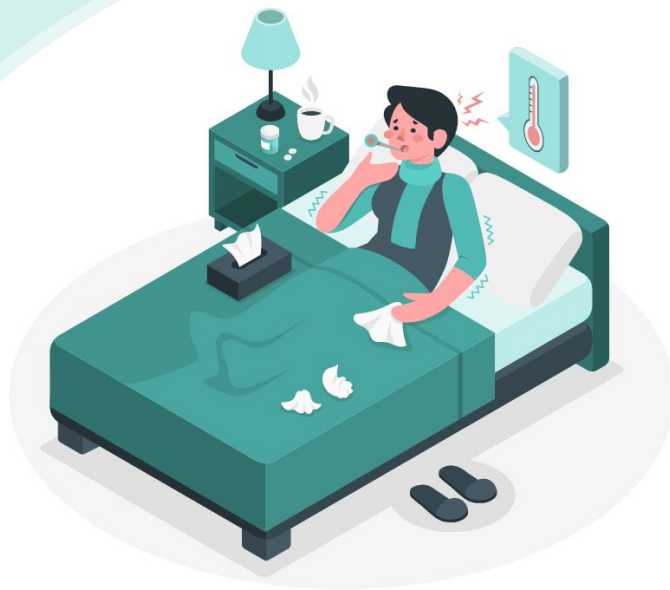
Breve descripción del estudio a realizar



# 01

## Introducción

La diabetes es una enfermedad crónica que aparece cuando el páncreas no produce insulina suficiente o cuando el organismo no utiliza eficazmente la insulina que produce. El efecto de la diabetes no controlada es la hiperglucemia (aumento del azúcar en la sangre).

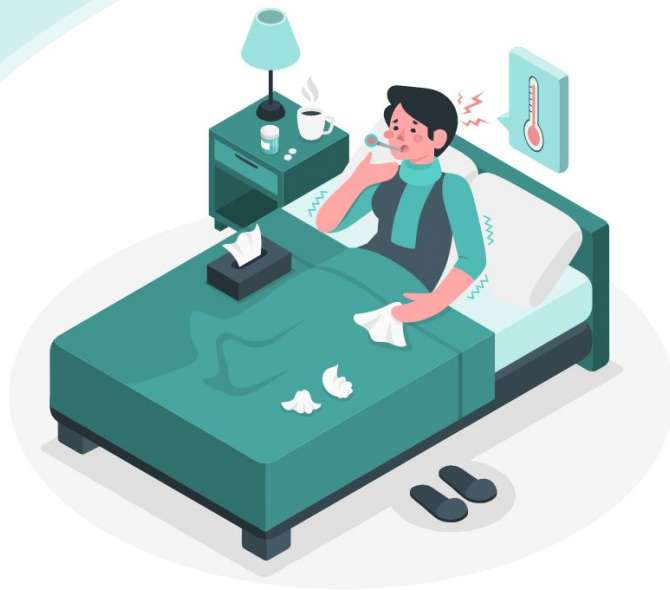




# 02

## DATASET

SE VAN A UTILIZAR TRES  
FUENTES DIFERENTES DE  
DATOS DE KAGGLE PARA  
OBSERVAR EL  
COMPORTAMIENTO DE LA  
DIABETES





# DATASET



## CoronaHack Respiratory Sound Dataset

Despite being red, Mars is a cold place. It's full of iron oxide dust  
1,398 rows  
37 columns



## Diabetes Data Set

Jupiter it's a gas giant and the biggest planet in the Solar System  
769 rows  
9 columns



## Heart Failure Prediction

Saturn is the ringed one. It's composed of hydrogen and also helium  
300 rows  
13 columns

Total = 2,467 rows y 59 columns



# 03

# ESTUDIO





# ESTUDIO



## Diabetes Data Set

PREDICCIÓN  
DE DIABETES

## Heart Failure Prediction

MUERTE DE  
FALLA  
CARDIOVASCUL  
AR DE  
DIFERENTES  
ENFERMEDADES

## CoronaHack Respiratory Sound Dataset

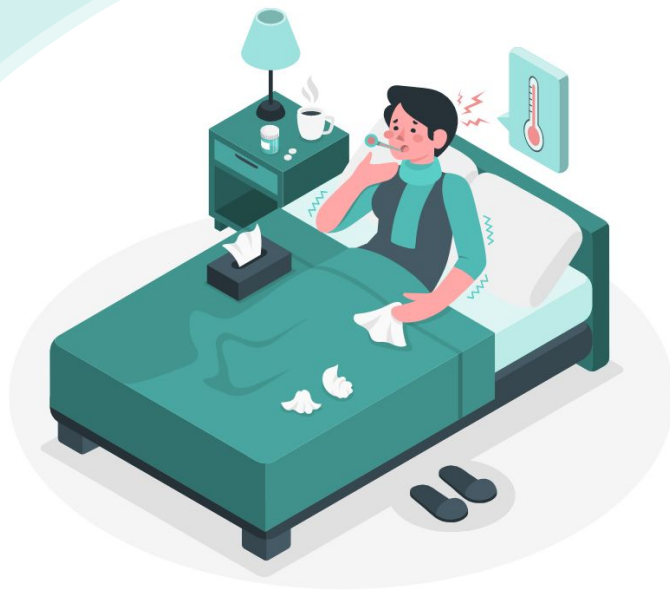
Pruebas de  
covid con  
diferentes  
enfermedades



# 04

## Resultados

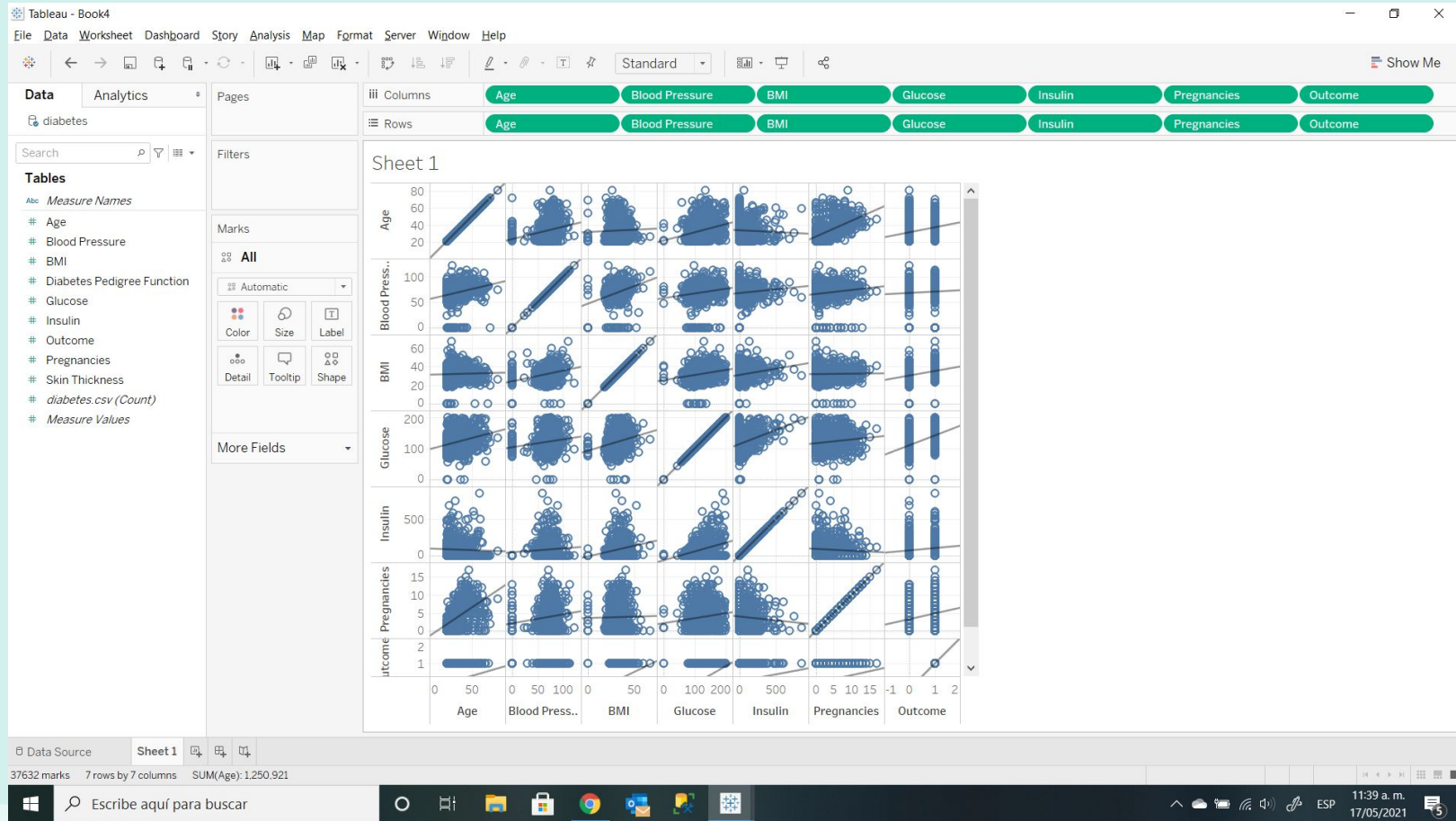
PARA OBSERVAR LOS  
RESULTADOS Y SU  
CORRELACIÓN, SE  
UTILIZÓ TABLEAU





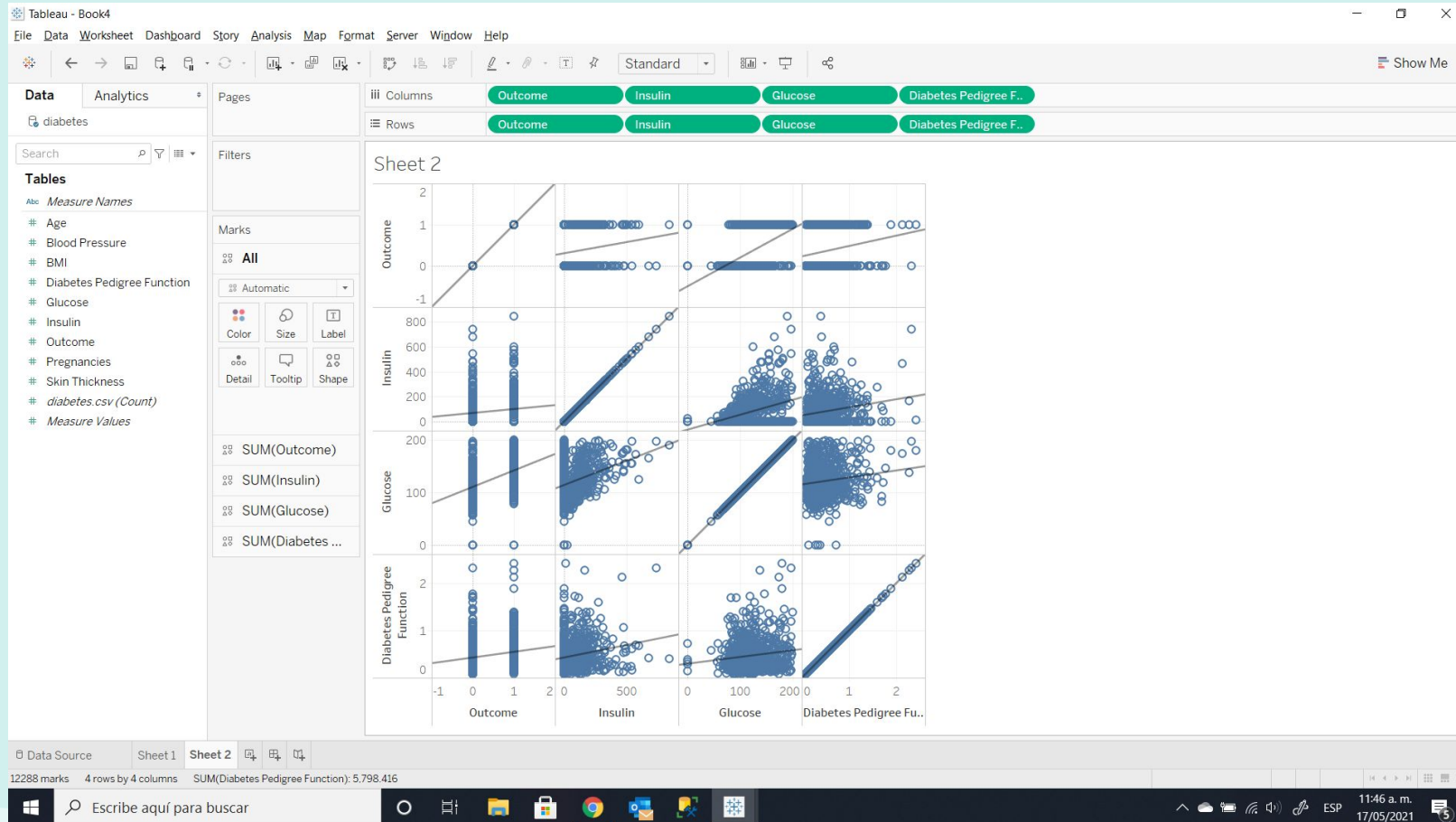


# Diabetes.csv



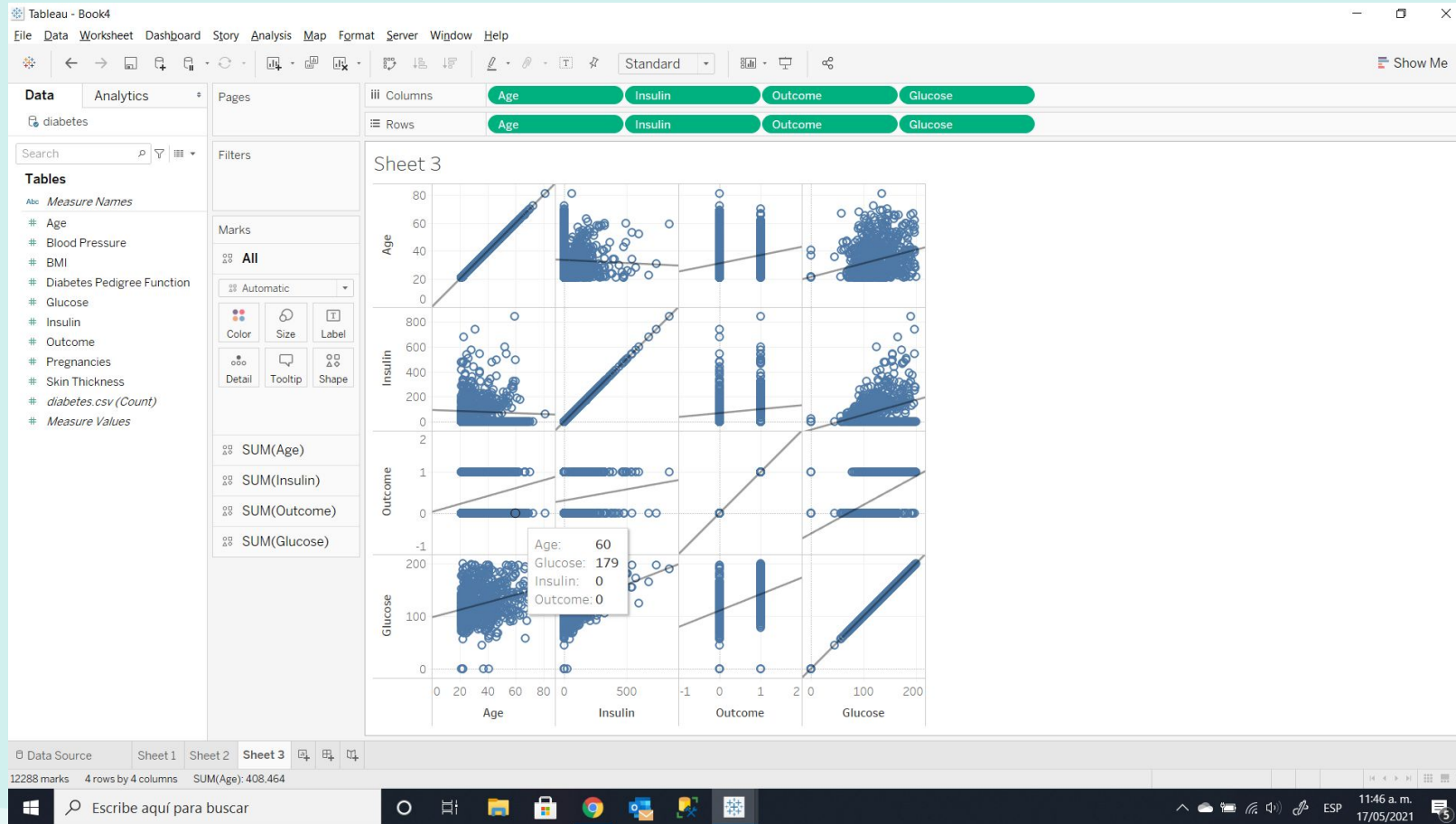


# Diabetes.csv



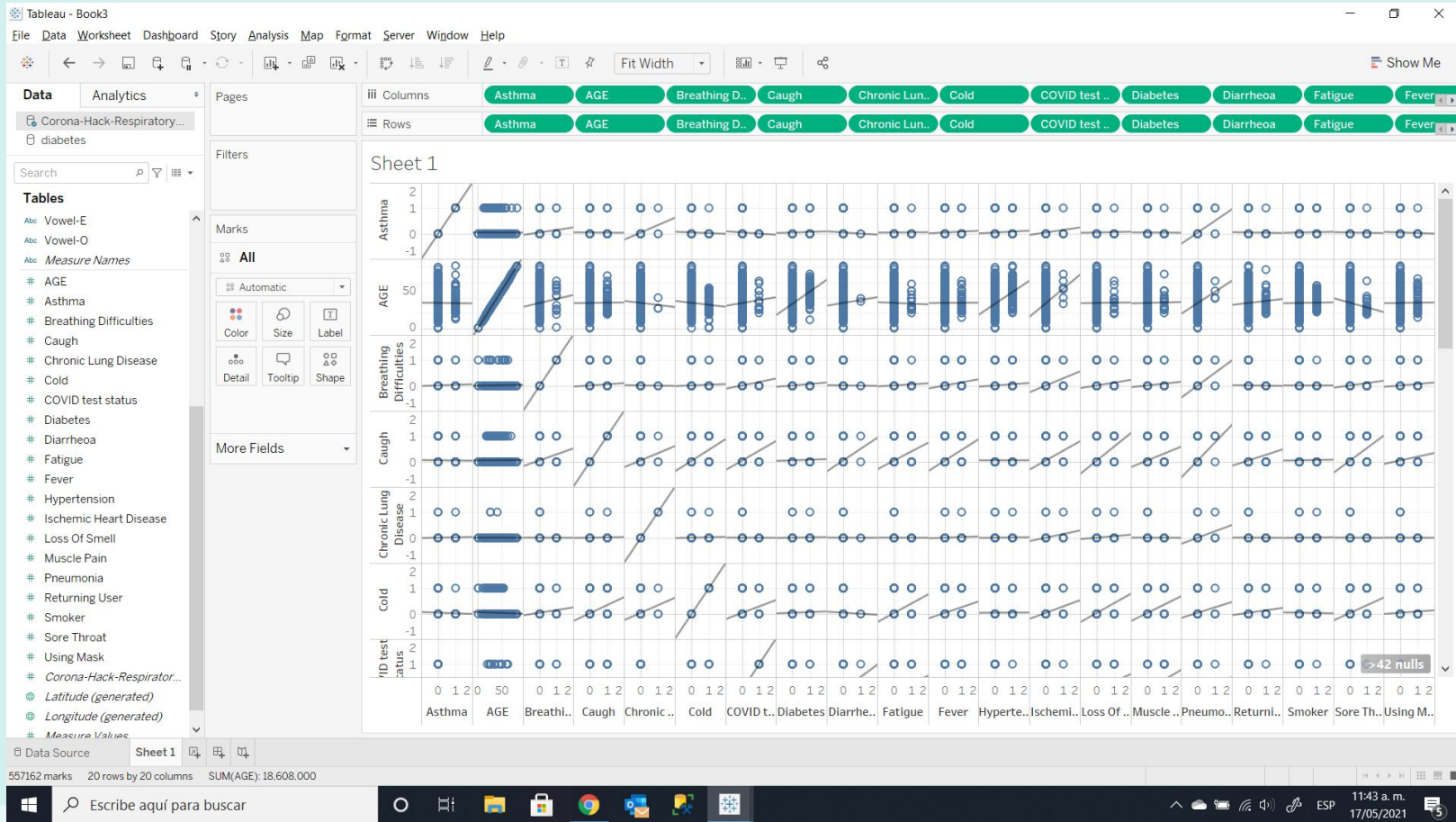


# Diabetes.csv



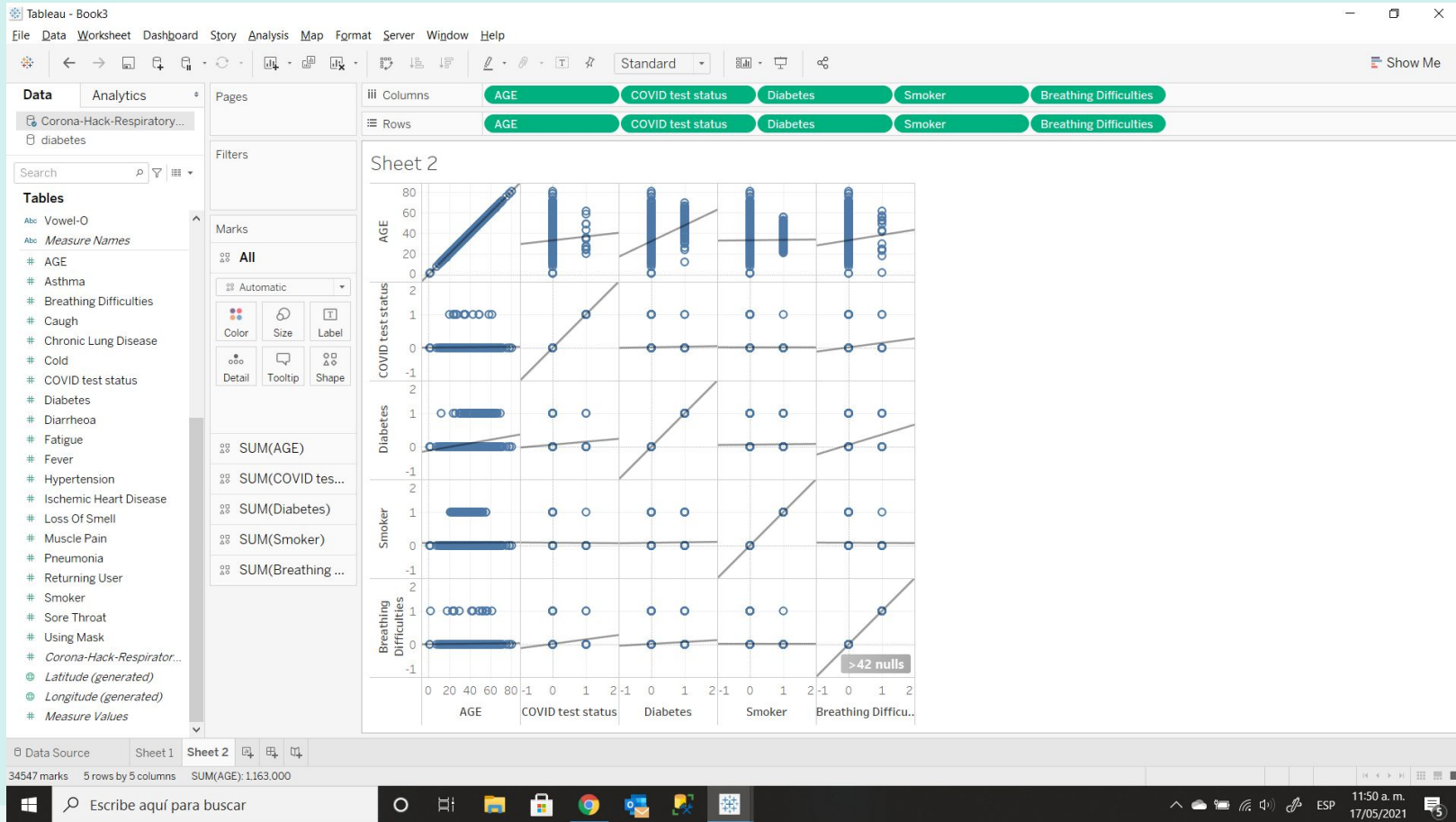


# Corona-Hack-Respiratory-Sound-Metadata.csv





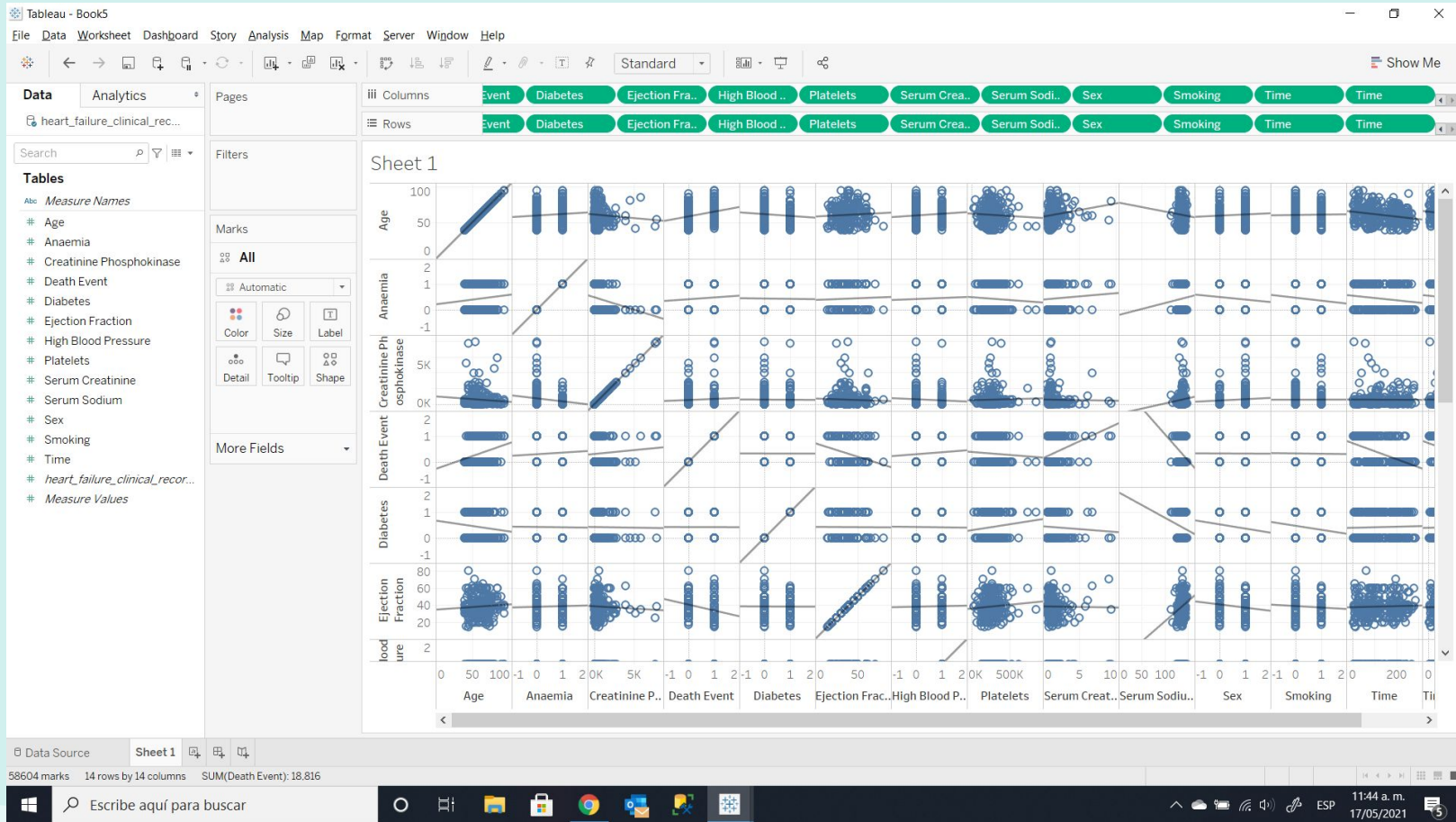
# Corona-Hack-Respiratory-Sound-Metadata.csv





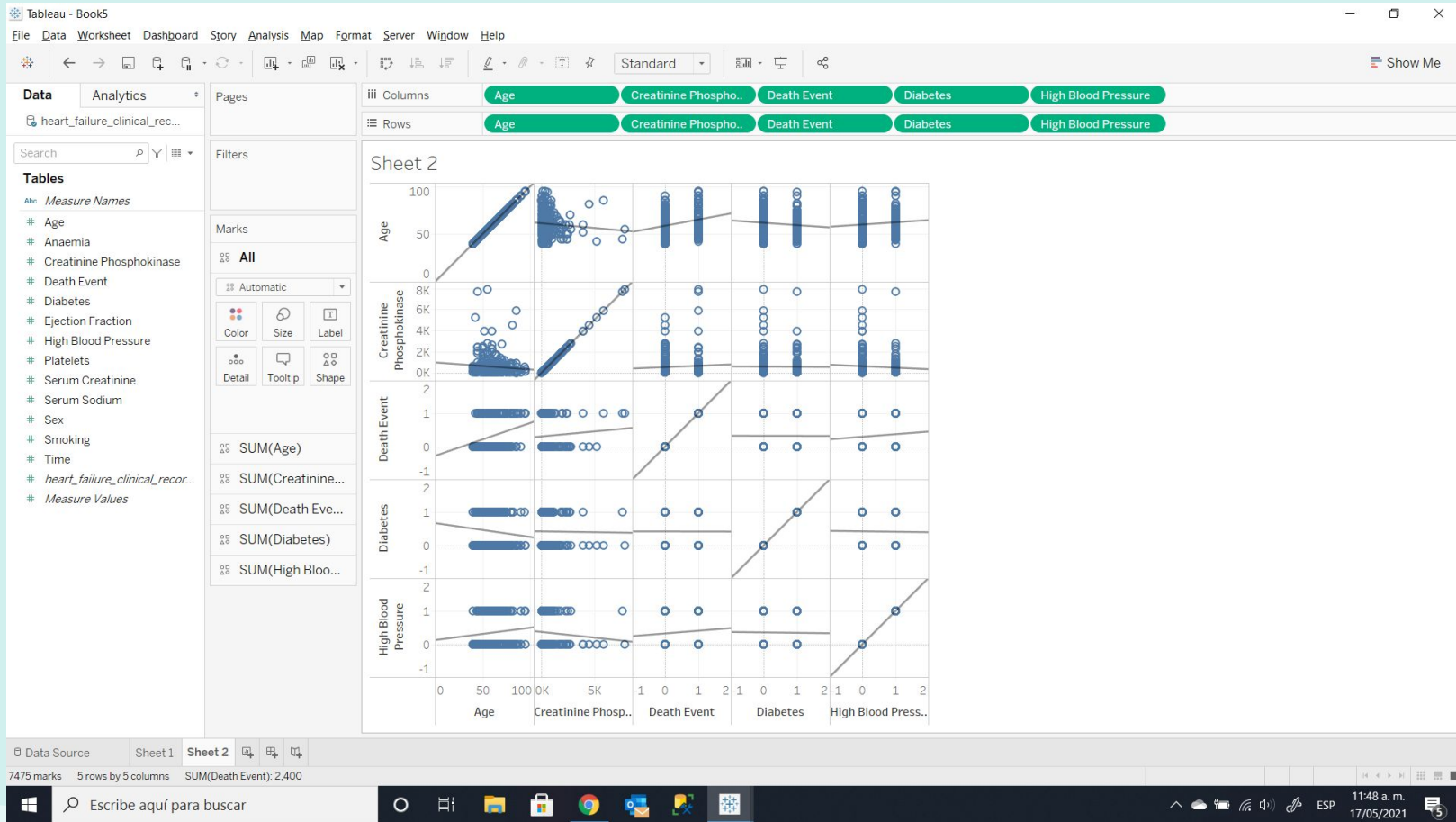


# heart\_failure\_clinical\_records\_dataset.csv



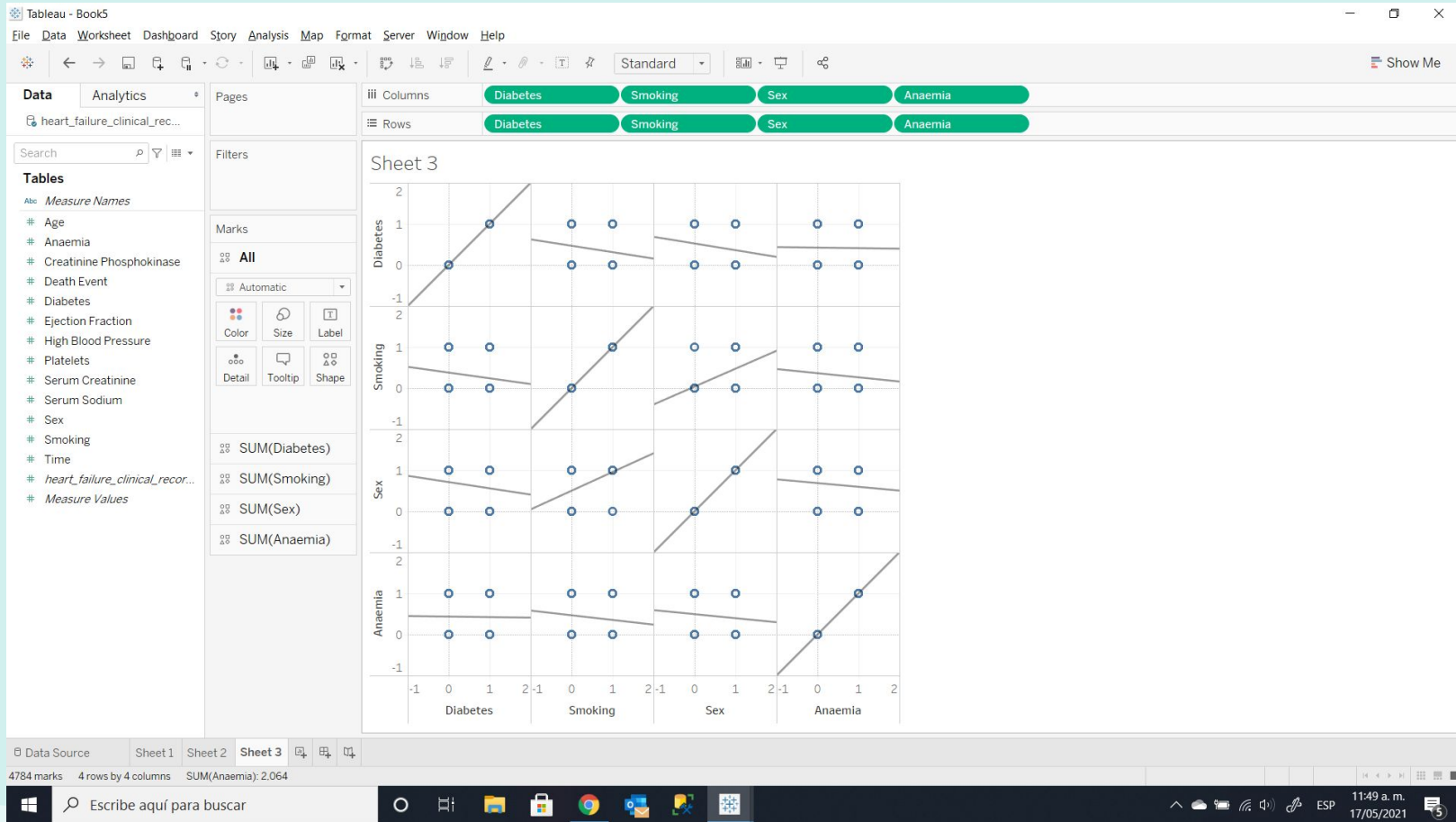


# heart\_failure\_clinical\_records\_dataset.csv





# heart\_failure\_clinical\_records\_dataset.csv

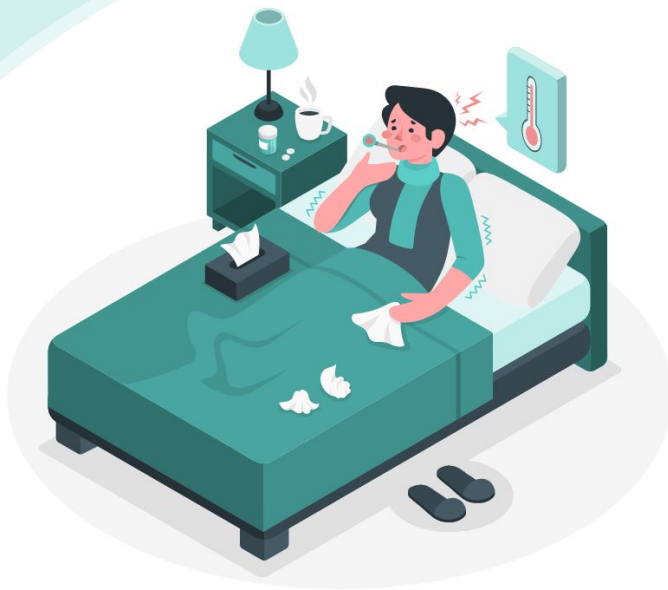






# 05

## Referencias



# REFERENCIAS

[https://www.who.int/topics/diabetes\\_mellitus/es/](https://www.who.int/topics/diabetes_mellitus/es/)

<https://www.kaggle.com/mathchi/diabetes-data-set>

<https://www.kaggle.com/andrewmvd/heart-failure-clinical-data>

<https://www.kaggle.com/praveengovi/coronahack-respiratory-sound-dataset>



# Referencias



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