

Pancreatic Cancer

Average number of diagnoses per year : **9800**

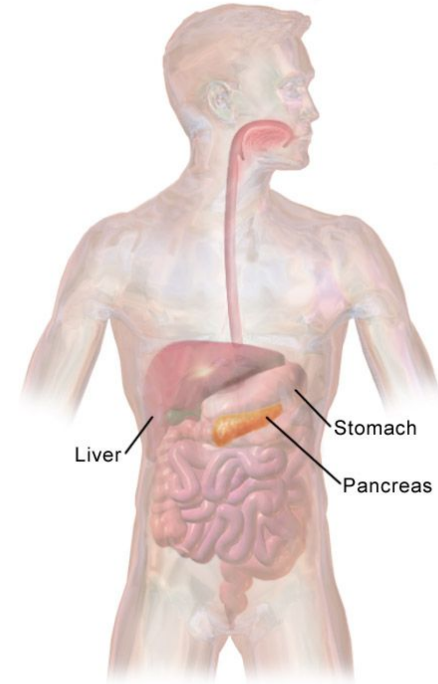
Average number of deaths per year : **9000**

One-year survival : **23.7%**

Five-year survival : **6.9%**

Info courtesy of Cancer Research UK

Problem Statement: Can anything be done to reduce the incidence



Location of the Pancreas

Goals

Pancreatic Cancer Dataset 427 rows x 148 columns

To summarize the main characteristics of the data, and obtain interesting facts that are worth highlighting

Identify and quantify associations between variables in the data set

Subset Data and PCA

Success

Predict length of survival by stage, age, treatments

Pancreas part 2

Part 1 is what doctors do every day

Obtain a dataset that includes screening

Problems:

Still to find screening data

Screening data will be of a different tumour type

Not sure how to translate this back to the pancreas data set

Helicopter Accidents

General Aviation



Goals

To extract the Dataset

To summarize the main characteristics of the data, and obtain interesting facts that are worth highlighting

Identity and quantify associations (if any) between variables in the data set

Success

Make predictions about severity of accidents

Car Accidents in the UK



Goals

To summarize the main characteristics of the data, and obtain interesting facts that are worth highlighting

Identify and quantify associations (if any) between variables in the data set

Success

Make predictions about location and severity of accidents, so those routes can be avoided added.

Dataset