**Project 1 - Arts and Entertainment**

**Recommendation System**:

This is a subclass of information filtering system that seeks to predict the "rating" or "preference" a user would give to an item.

**Goal:**

I will be using a Content Based RS and netflix\_titles.cvs to solve the problem “What movies or shows can Netflix recommend to a user”

**Data description:**

netflix\_titles.cvs contains 7786 unique films and the descriptive parameters are:

type

title

director

cast

country

date\_added

release\_year

rating

duration

listed\_in,description

**Project 2 – Health**

**Nosocomial outbreaks**

These are infectious outbreaks that originate or take place in a hospital, acquired in a hospital, especially in reference to an infection.

**Goal :**

I will be using ID\_Data\_files to answer the question “What ways can medium to large sized hospitals prevent Nosocomial outbreaks?”

**Data description:**

ID\_Data\_files contains 933 outbreaks of hospital-acquired infection representing 14 pathogen species and 8 transmission routes. With descriptive parameters are:

Matchcode

Strain

Start of outbreak

Duration (days),

"city, Country",

Lat,

Long,

Cases (patient),

Transmission,

Molecular Evidence,

**Project 3 - Education**

* Include a short description of each idea. The description should briefly discuss the problem and the data you’ll use to solve it. At this point, there’s no need to outline specific methods and techniques.