Big Data Hack Group Goals

DevBug

- ★ **[Problem]**
  - Rate_vaccine analysis
- ★ **[Intervention]**
  - Create a attribute to person (rate_vaccine)
  - Calculated the rate_vaccine to each person
  - Determine the rate_infection with rate_vaccine
- ★ **[Goal(s)]**
  - ¿Cuáles son los objetivos de su grupo?
    - Determine the person's rate_vaccine
    - Show the rate_infection of population

- ★ **Group Github Repo Link** (https://github.com/entomolab/DevBug)

Little Data

- ★ **[Problem]**
  - How do mass events affect infections?
- ★ **[Intervention]**
  - Restrict the number of mass events assisting.
  - Restrict the number of people allowed in the mass events.
- ★ **[Goal(s)]**
  - ¿Cuáles son los objetivos de su grupo?
    - Lower the number of people infected in the community.
- ★ **Group Github Repo Link** (https://github.com/DavidXie10/Big-Data-Hack-2022)

Error 506

- **[Problem]**
  - Virus propagation by social interactions
- **[Intervention]**
  - Vehicular restriction and commerce closing
  - Close of borders
- **[Goal(s)]**
  - See the change of the infection rate, the quantity of interactions during the implementation of these sanitary measures
  - Consider the change of the population when the borders closed and when they were open
- **Group Github Repo Link** (Error506)

TEC-NO-Lógicos

- ★ **[Problem]**
  - Death_rate increases too fast for critical patients.
- ★ **[Intervention]**
  - Combining vaccination and masks, including critical patients and death all as interventions part of Class Person.
- ★ **[Goal(s)]**
  - Reduce death_rate
- ★ **Group Github Repo Link** (https://gitlab.com/plasmallan/big-data-school-2022)

Ubuntu506

- **[Problem]** Efectividad de las dosis de vacunas aplicadas contra el Covid-19 en poblaciones vulnerables como niños 0 - 12 o adultos mayores de 65+.

- **[Intervention]**
  - Identificar las personas vacunadas
  - Identificar poblaciones vulnerables (niños 0 - 12 o adultos mayores de 65+)
  - Verificar las dosis de vacunas aplicadas.
  - Analizar la efectividad una cantidad de dosis (4)
- **[Goal(s)]**
  - Evaluar la tasa de infección con relación a la cantidad de dosis.
  - Evaluar el periodo de recuperación de las poblaciones vulnerables, según la cantidad de dosis.
- **Group Github Repo Link** (BrandCore/Ubuntu506: Big Data 2022 (github.com))

Christmas greens

- ★ **[Problem]**
  - The Model doesn´t considers risk of infection for people depending on their group age
- ★ **[Intervention]**
  - Add age as a variable. We will define 3 groups: 1-18years, 18-50 and 50 and older.
  - Modify infection and recovery rate
- ★ **[Goal(s)]**
  - Evaluate vulnerability between groups depending on the age

    Considering, for example the fact that at the very beginning children couldn't get vaccinated and the fact that old people had a higher mortality risk
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- ★ **Group Github Repo Link** (https://github.com/karo1818/Christmas-greens.git)
- ★

def group_name()

- ★ **[Problem]**
  - Is social distancing going to reduce the Covid 19 spreading?
- ★ **[Intervention]**
  - Work from home and virtual school: not all adults will work from home and we will divide the population in adults and children
- ★ **[Goal(s)]**
  - Check if these interventions will reduce the spreading and how it will impact the rate of infection
- ★ **Group Github Repo Link** (https://github.com/FamGidHGBBDS2022)

Bazinga

- ★ **[Problem]**
  - The model does not consider mask effectiveness and vaccination.
- ★ **[Intervention]**
  - Mask effectiveness
    - Infection rate depends on mask type
      - N95, surgical mask, gauze, silk, etc.
  - Vaccination
    - Infection rate decreases if vaccinated
- ★ **[Goal(s)]**
  - Analyze the reduction of infection considering different types of masks and vaccination.
- ★ **Group Github Repo Link**
- ★ https://github.com/MelissaGamboaPortfolio/CostaRicanBigDataSchool.git

The Big Lab

★ **[Problem]**
- How prevention methods (social distancing, wearing mask, washing hands) affect the infection curve in a community

★ **[Intervention]**
- Social distancing, wearing mask, washing hands and the ones without any prevention methods

★ **[Goal(s)]**
- Analyze and visualize how the disease propagates amongst groups with different behaviors in a population
- Set a ranking of the prevention methods

★ **Group Github Repo Link**
https://github.com/revv-tech/Hackaton_TheBigLab.git

Los-4-Fantasticos

- ★ **[Problem]**
  - Tasa de mortalidad después de implementar la vacunación por COVID-19 (Mortality rate after the implementation of COVID-19´s vaccine).
- ★ **[Intervention] Cómo su grupo abordará el problema (intervenciones como máscarillas, distanciamiento social, vacunas...)**
  - Momento de inicio de la vacunación (Vaccination Start Time).
  - Porcentaje de personas vacunadas (Percentaje of people vaccinated).
  - Riesgo de mortalidad (Mortality Risk).
- ★ **[Goal(s)] ¿Cuáles son los objetivos de su grupo?**
  - Comparar la tasa de mortalidad antes y después del inicio de la vacunación (Compare the mortality rate before and after the Start of vaccination).
  - Efectividad de la vacunación (Vaccination effectiveness).
- ★ **Group Github Repo Link** (https://github.com)

GitHub