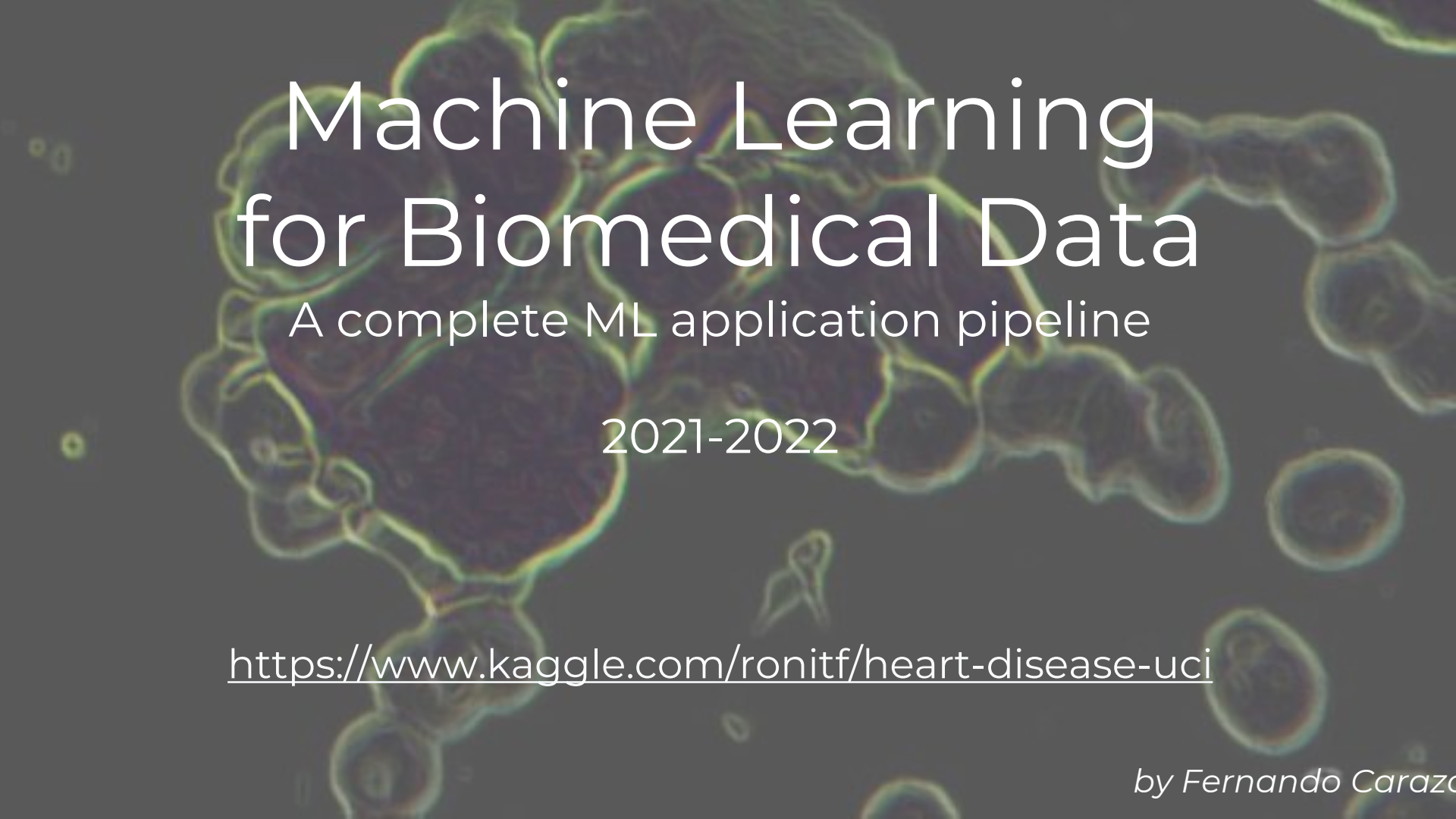


Machine Learning for Biomedical Data

A complete ML application pipeline

2021-2022

https://www.kaggle.com/ronitf/heart-disease-uci

by Fernando Caraza

Fundación InstitutoRoche

17ª Jornada Internacional
sobre Investigación Traslacional y Medicina de Precisión

Medicina de precisión, más allá del genoma

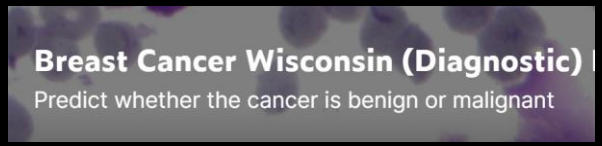
3 FEB – Roche

10, 17, 24
FEBRUARY

ML pipeline
How to deal with a real Machine Learning problem

10, 17, 24
MARCH

Diving inside ML algorithms
Programming your own algorithm



31, 7A, 28A
APRIL

Deep Learning
Medical Imaging

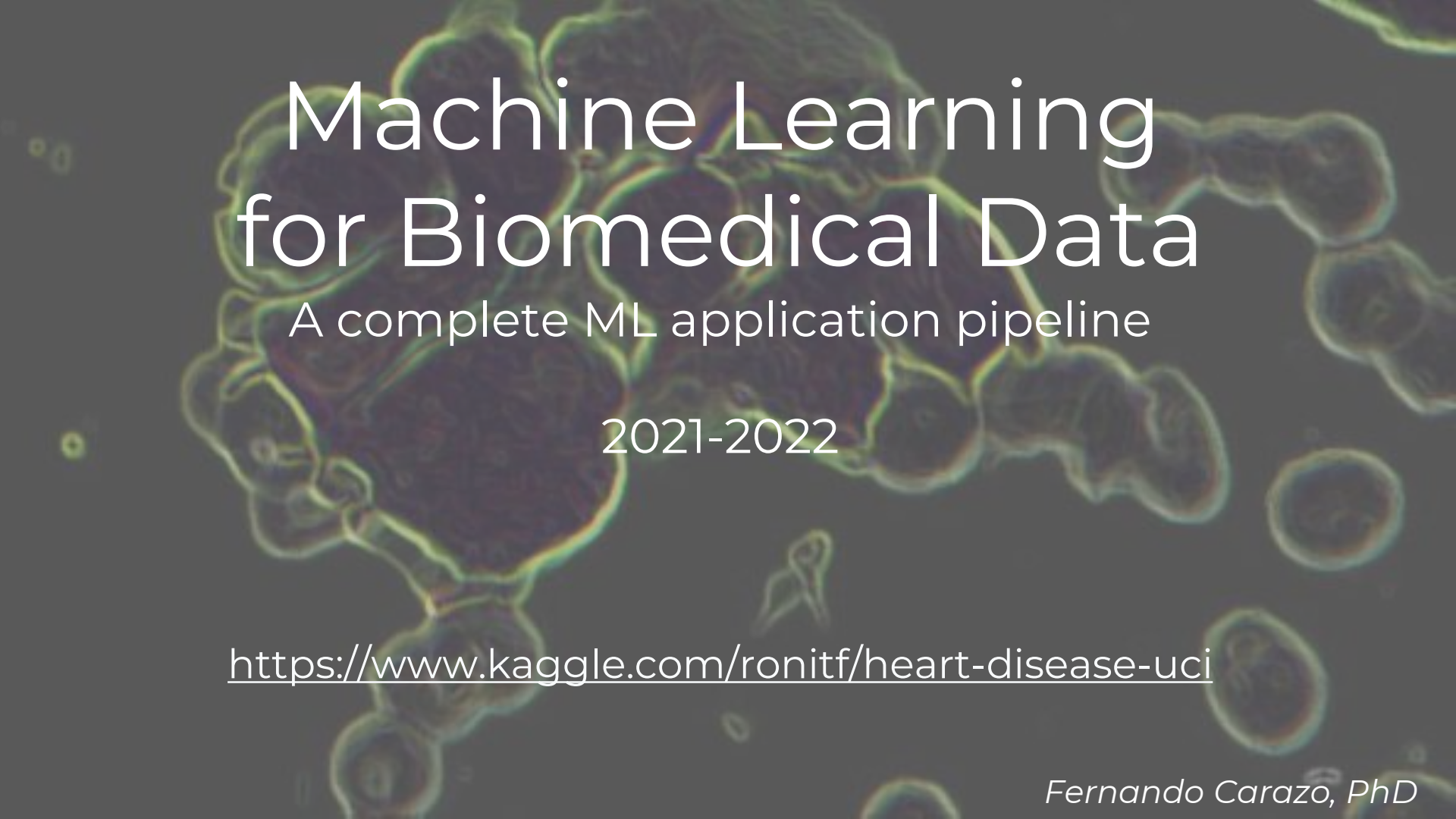
5, 12 MAY – WORK SESSIONS

Practical comments

1. **COVID-19.** You have the option to follow the classes either remotely or in person.
2. Grade: 80% practices + 20% homeworks
3. https://github.com/fcarazo/Machine-Learning-for-Biomedical-Data
4. Create your GitHub Account
    1. Recommendation: Use your personal email
    2. Use your name and last name
    3. Follow the subject so that you'll be noticed with updates

Roche Conference

1. Write a Blog Article about a topic covered in the conference.
    1. The article should be informative (not too technical).
    2. Feel free to include figures!
    3. Provide the file in .doc or .docx formats.
    4. 2-6 pages
2. Optional: publish a small entrance in the social media (LinkedIn or twitter)
    1. Twitter @fercarazo
    2. Linkedin Fernando Carazo



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Fernando Carazo, PhD