

Sujets Kaggle

Projets Apprentissage - Intelligence Artificielle - Optimisation

Master 2 Bioinformatique - Parcours Biologie Informatique

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Sujet 1 : Stanford Ribonanza RNA Folding : Create a model that predicts the structures of any RNA molecule (A)

<https://www.kaggle.com/competitions/stanford-ribonanza-rna-folding/data>

Sujet 2 : Child Mind Institute - Detect Sleep States : Detect sleep onset and wake from wrist-worn accelerometer data (A)

<https://www.kaggle.com/competitions/child-mind-institute-detect-sleep-states>

Sujet 3 : Predicting a Biological Response : Predict a biological response of molecules from their chemical properties

<https://www.kaggle.com/competitions/bioresponse/overview>

Sujet 4 : Parkinson's Freezing of Gait Prediction: Event detection from wearable sensor data

<https://www.kaggle.com/competitions/tlvmc-parkinsons-freezing-gait-prediction>

Sujet 5 : OpenVaccine: COVID-19 mRNA Vaccine Degradation Prediction: Urgent need to bring the COVID-19 vaccine to mass production (A)

<https://www.kaggle.com/competitions/stanford-covid-vaccine>

Sujet 6 : AMP®-Parkinson's Disease Progression Prediction : Use protein and peptide data measurements from Parkinson's Disease patients to predict progression of the disease. (A)

<https://www.kaggle.com/competitions/amp-parkinsons-disease-progression-prediction>

Sujet 7 : RSNA Screening Mammography Breast Cancer Detection: Find breast cancers in screening mammograms (A)

<https://www.kaggle.com/competitions/rsna-breast-cancer-detection/data>

Sujet 8 : Open Problems - Multimodal Single-Cell Integration: Predict how DNA, RNA & protein measurements co-vary in single cells (A?)

<https://www.kaggle.com/competitions/open-problems-multimodal/data>