

Inputs



Chest CT Volume

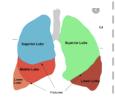


Laboratory Test Data



Feature Extractors

Lobe Segmentation



Lesion Segmentation



Feature Mixer

Lesion Texture Extractor

CVD Radiomics Extractor

Predictions (Outputs)

Binary Classification: Lesion Volume Score > 15?





Binary Classification: Mortality Prediction

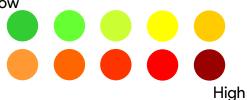




Ordinal Classification: Severity/Risk Level,

Based on the admit duration and end events

Low



Inputs



Chest CT Volume

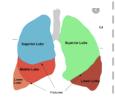


Laboratory Test Data



Feature Extractors

Lobe Segmentation



Lesion Segmentation



Feature Mixer

Lesion Texture Extractor

CVD Radiomics Extractor

Predictions (Outputs)

Binary Classification: Lesion Volume Score > 15?





Binary Classification: Mortality Prediction

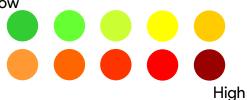




Ordinal Classification: Severity/Risk Level,

Based on the admit duration and end events

Low



Inputs



Chest CT Volume





Multi Quantification

Lung Infection

Visceral Fat

CVD Radiomics

Predictions (Outputs)

Binary Classification: **Mortality Prediction**





Ordinal Classification: Severity/Risk Level,

> Based on the admit duration and end events

Low

Feature Mixer

