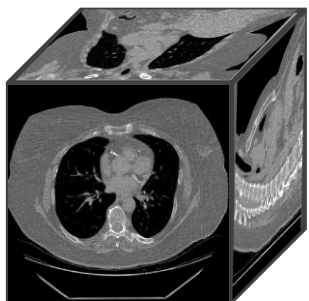


Inputs



Chest CT Volume



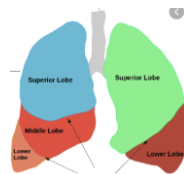
Laboratory Test Data



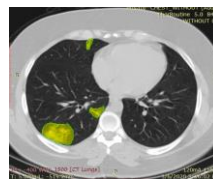
Demographic Data

Feature Extractors

Lobe
Segmentation



Lesion
Segmentation



...

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

