

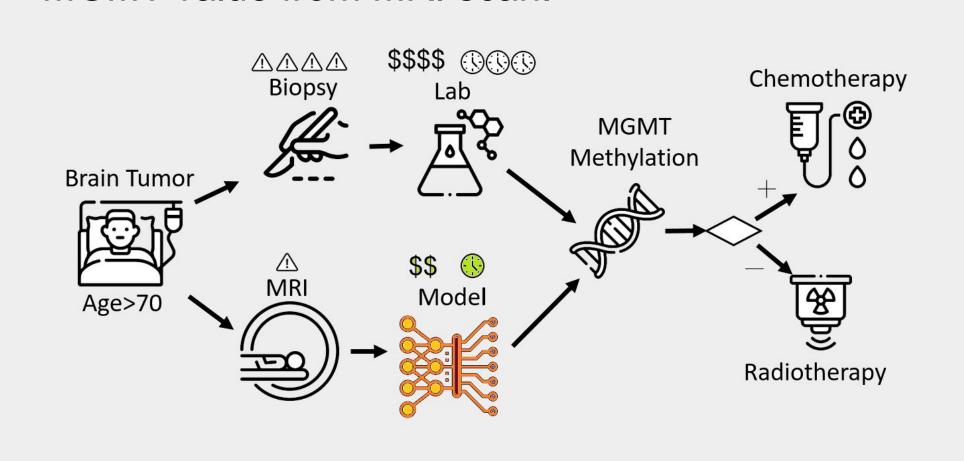
RSNA-MICCAI Brain Tumor Radiogenomic Classification



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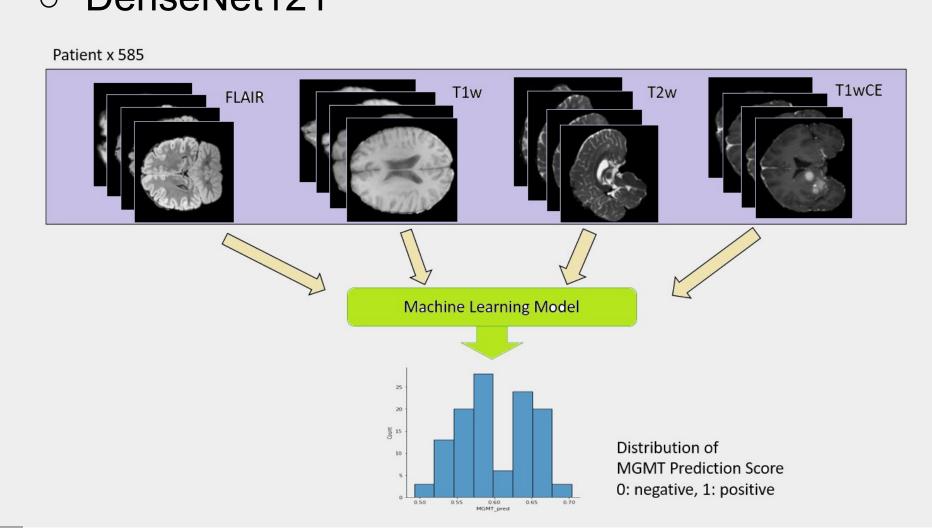
Introduction

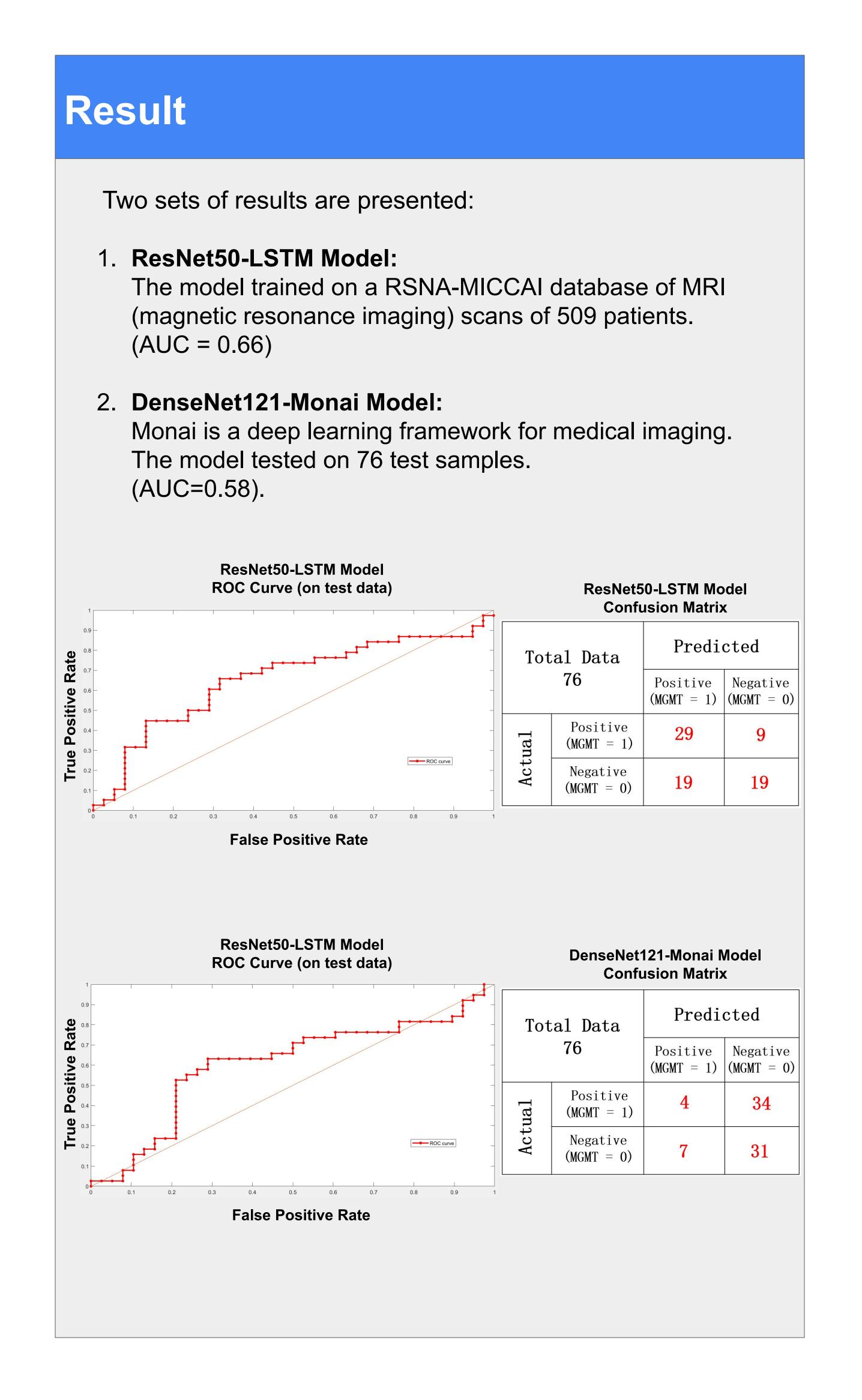
- malignant tumor in the brain is a life-threatening condition.
- MGMT promoter methylation is a strong predictor of responsiveness to chemotherapy.
- The goal of this project is design a model can detect MGMT value from MRI scan.

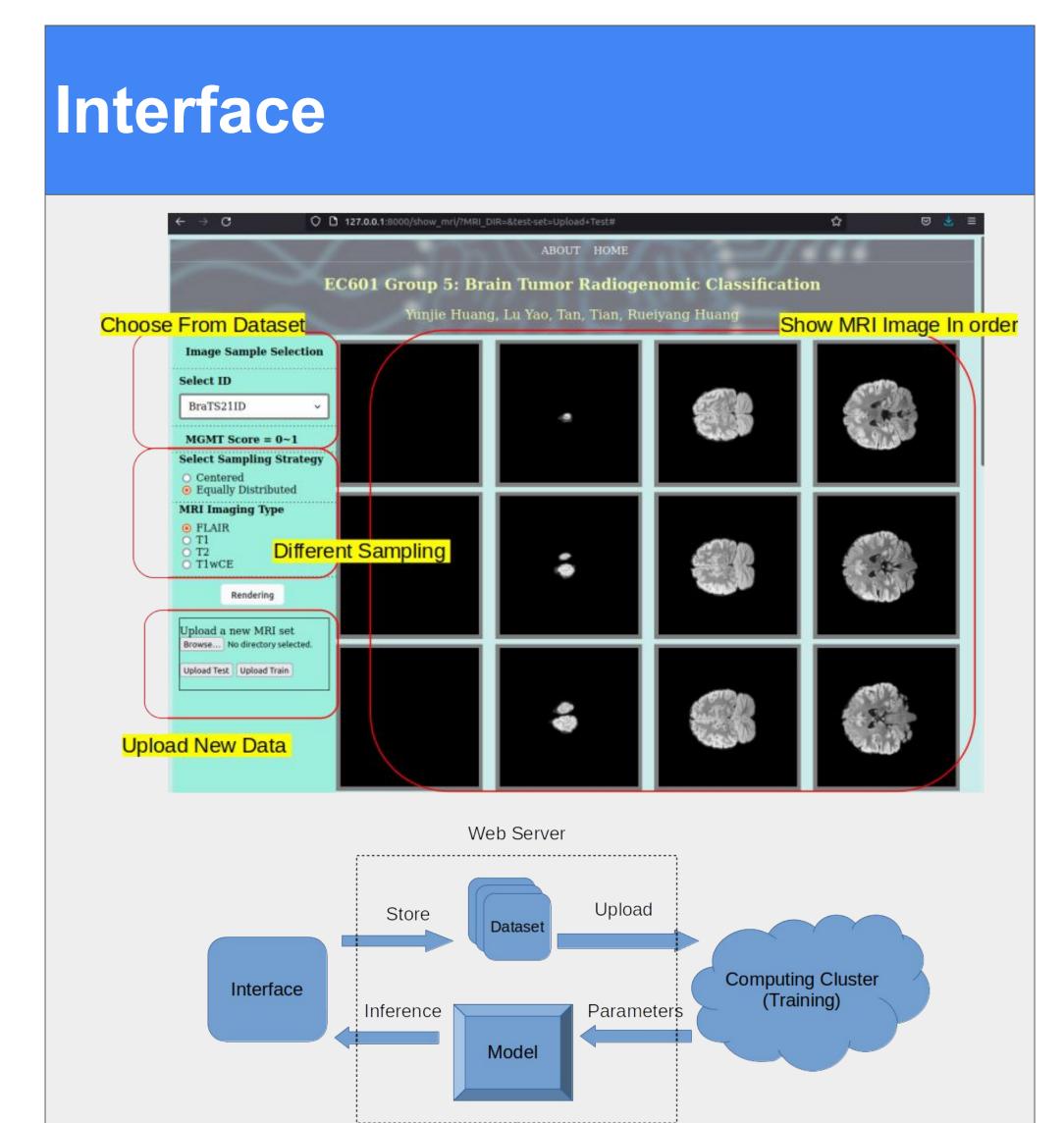


Structure

- Reshape data: use same amount of mri pictures for each type data.
- Training: we tried four different models.
 - EfficientNetb0
 - ResNet50
 - o CNN
 - o DenseNet121







Feature improvement

- Collect more Training data
- Training model only with the tumor on it

ream Members	Score 6	Entries	Last
	0.62174	17	3mo
	0.61881	28	4mo
	0.61732	9	2mo
	0.61562	124	3mo
0	0.60751	5	2mo
	0.60696	196	2mo
9)	0.60394	1	4mo
9)	0.60322	12	3mo