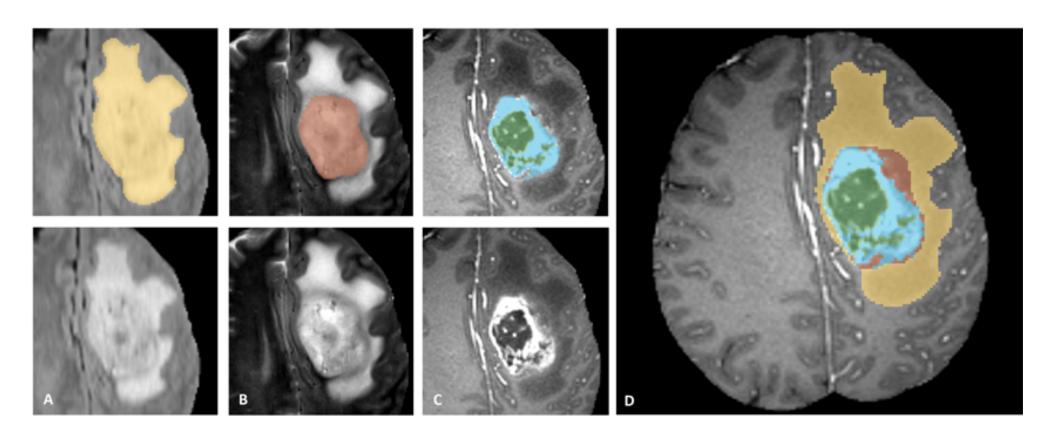
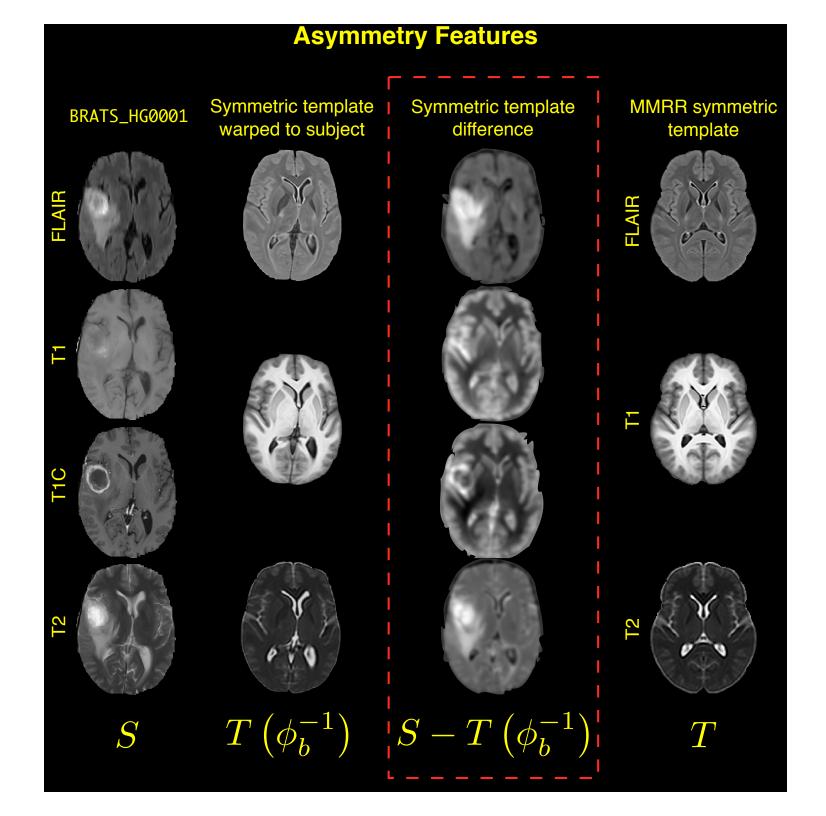
BRATS 2013 Tumor Segmentation Challenge

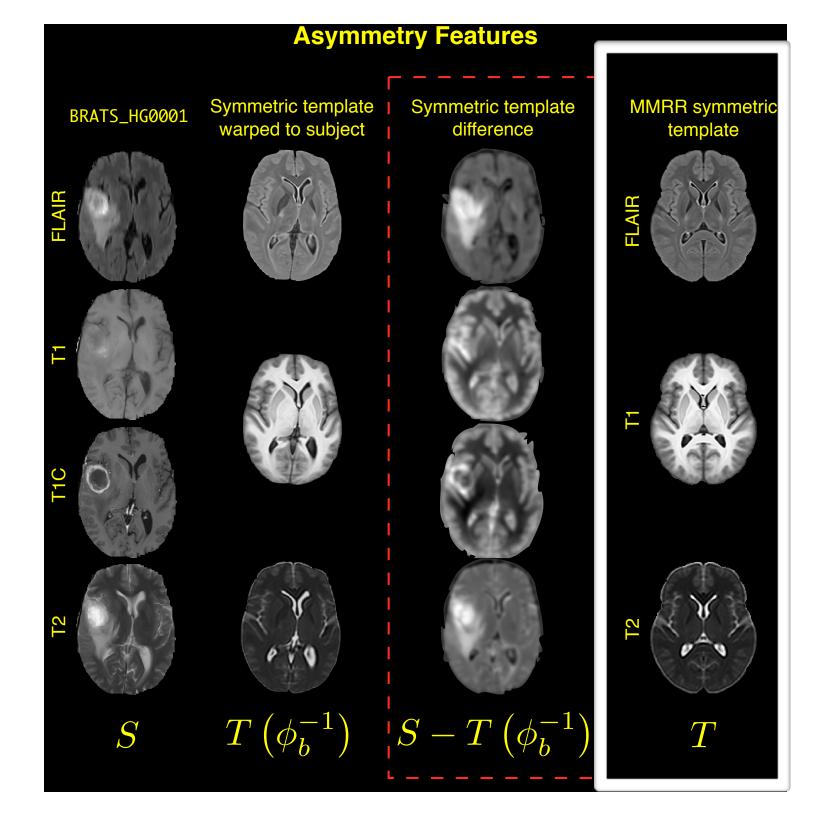
Multivariate Tumor Segmentation

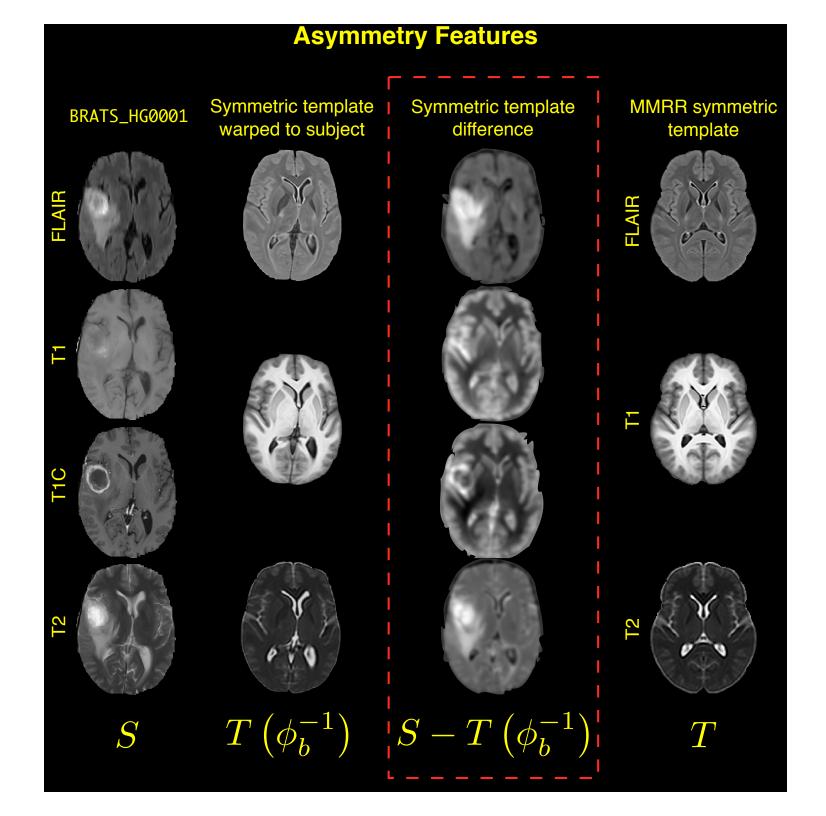


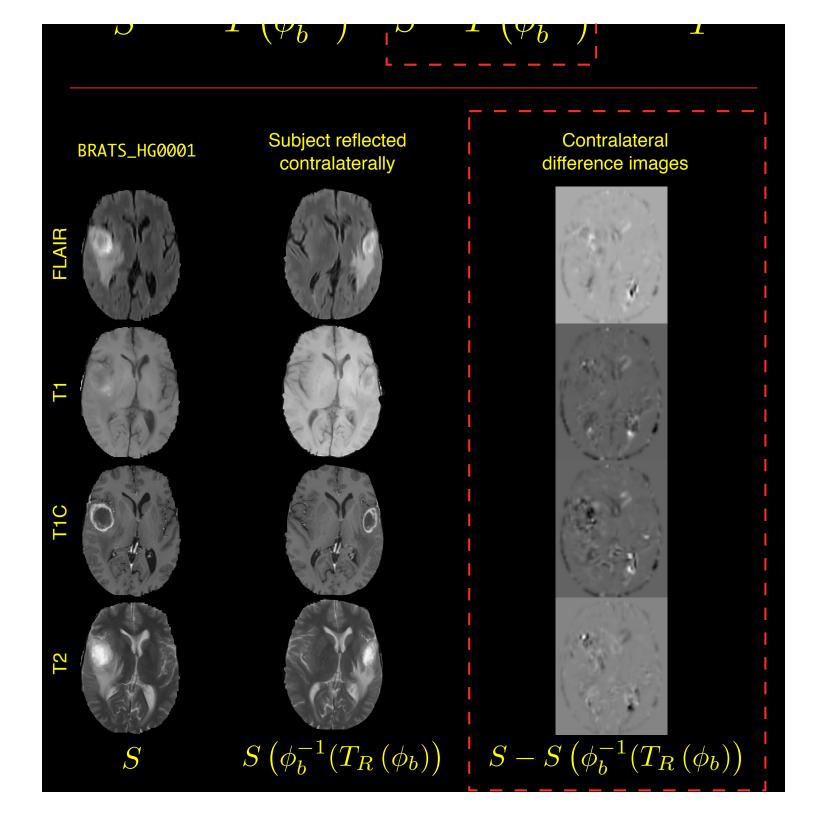
ual annotation through expert raters. Shown are image patches with the tumor structures that are annotated in the different moc labels for the whole dataset (right). The image patches show from left to right: the *whole* tumor visible in FLAIR (A), the tumor nhancing *active* tumor visible in T1c (blue), surrounding the cystic/necrotic components of the core (green) (C). The segmentation he final labels (D): edema (yellow), non-enhancing solid core (red), active core (blue), non-solid core (green).



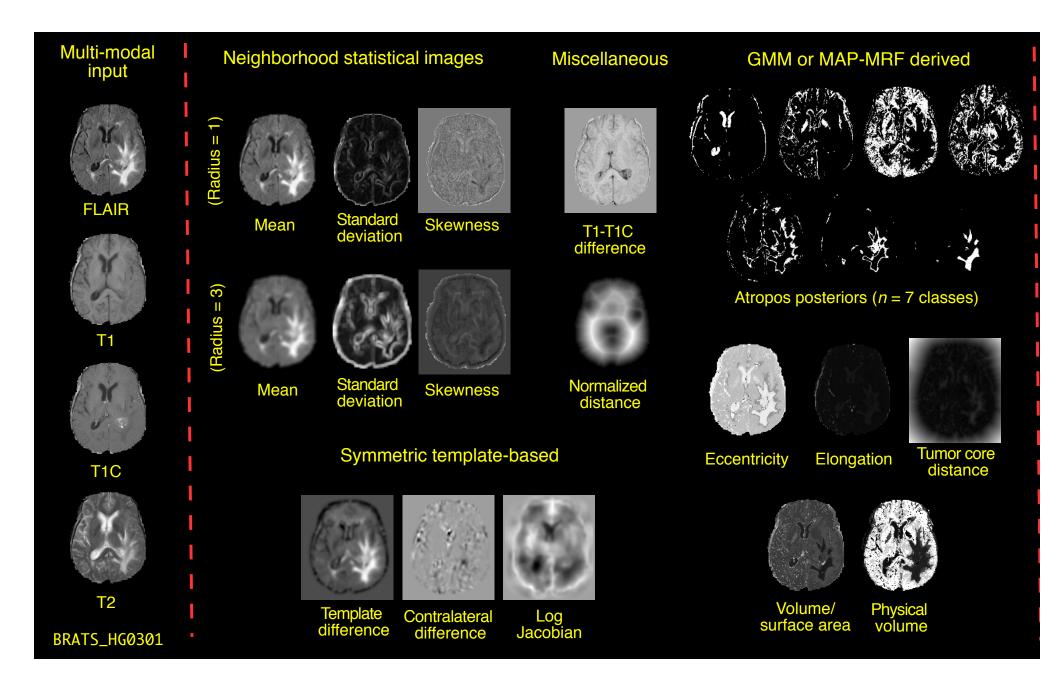




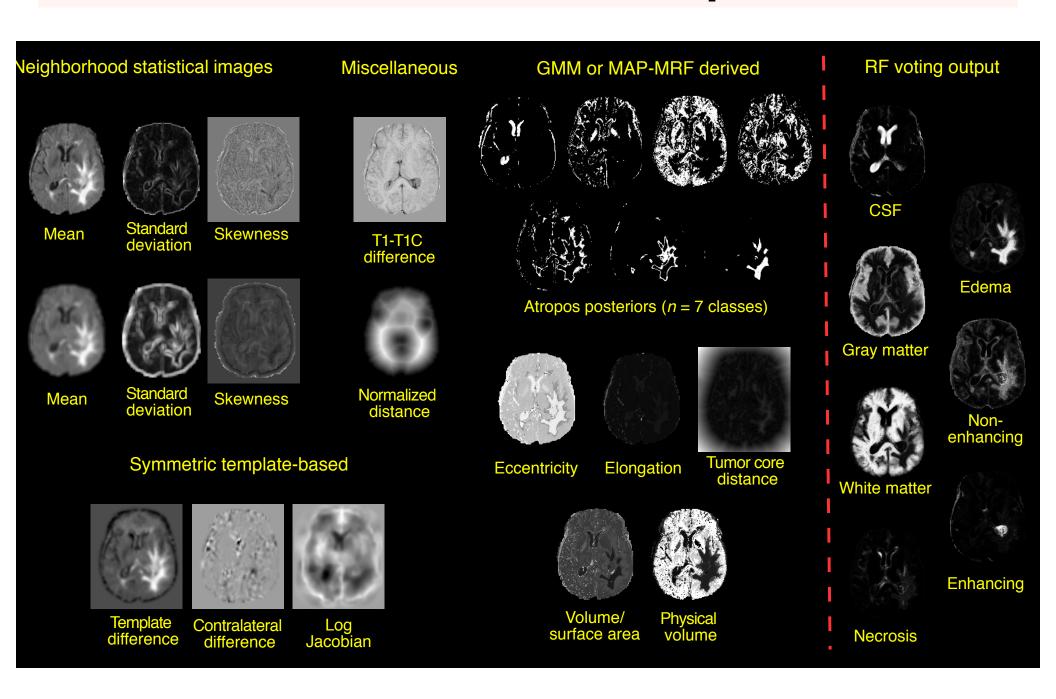


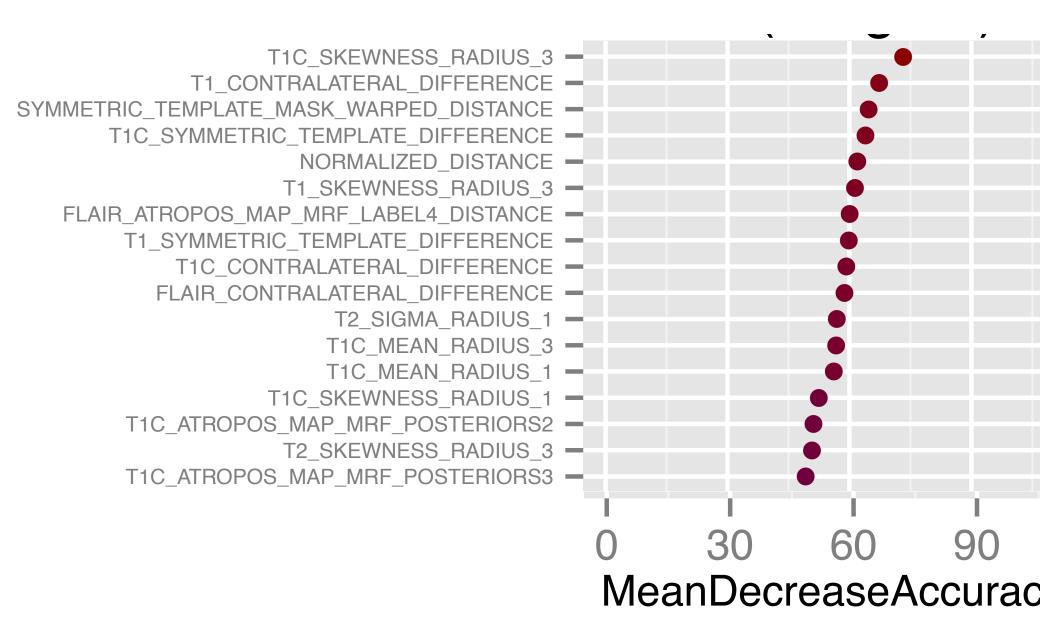


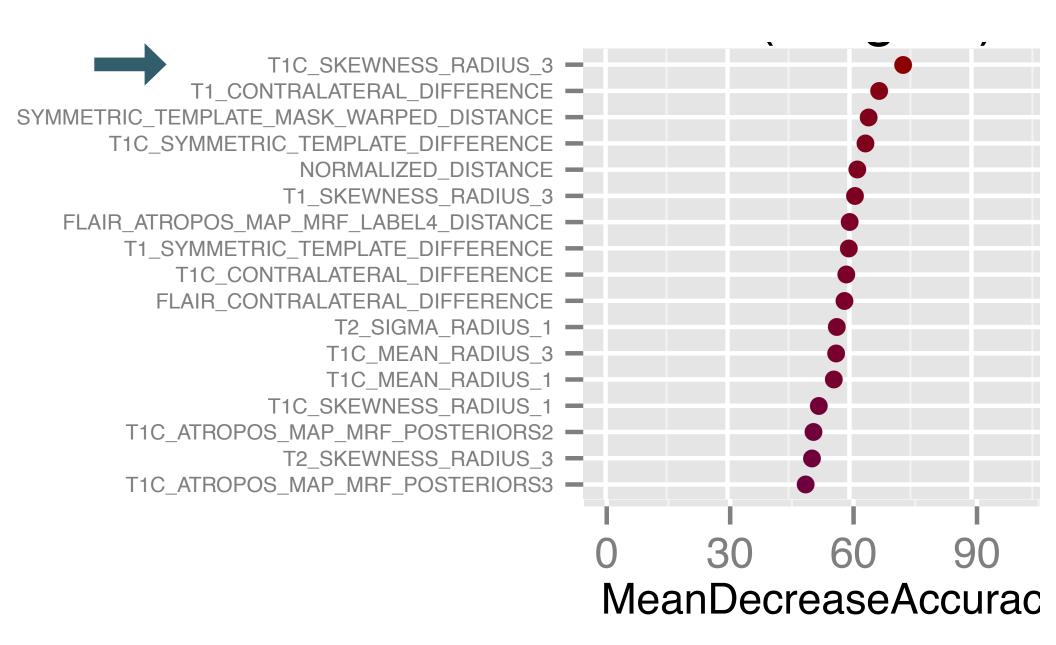
BRATS 2013 ANTsR Pipeline

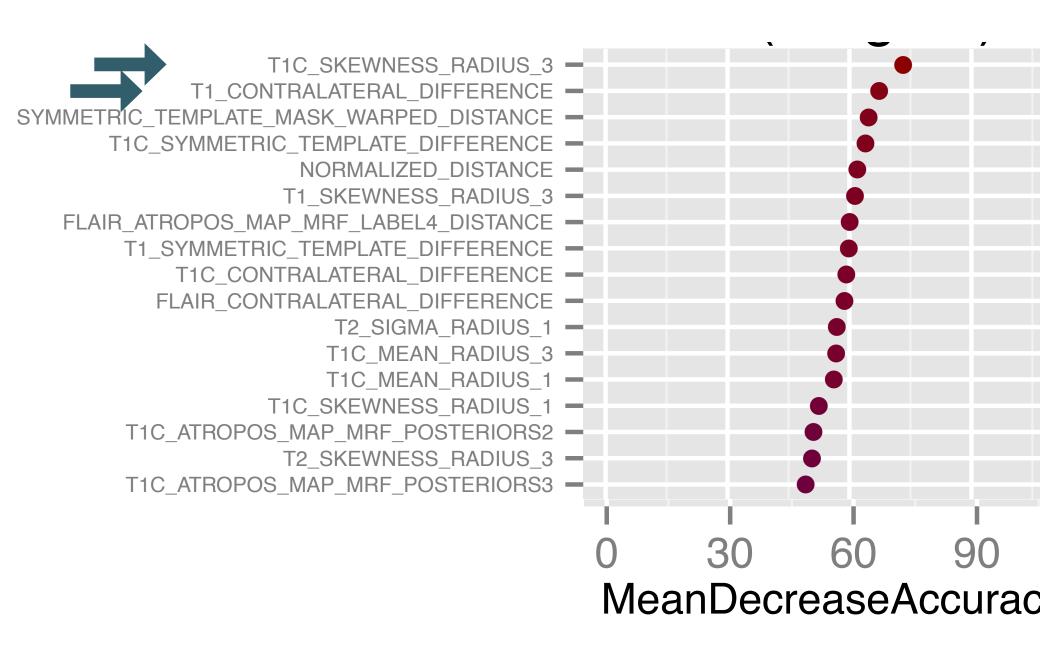


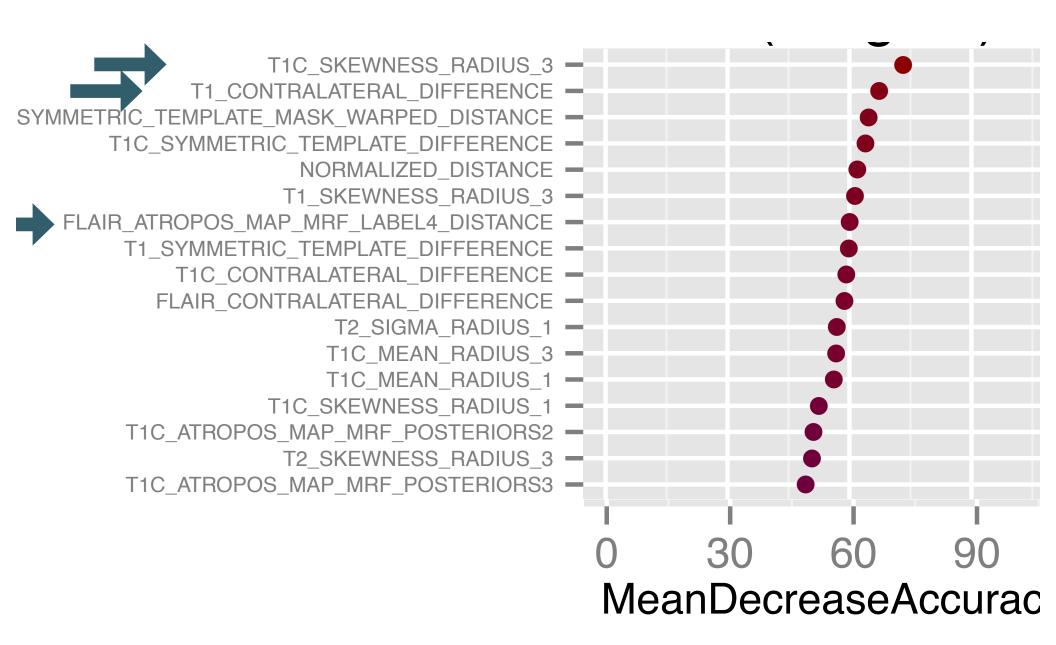
BRATS 2013 ANTsR Pipeline

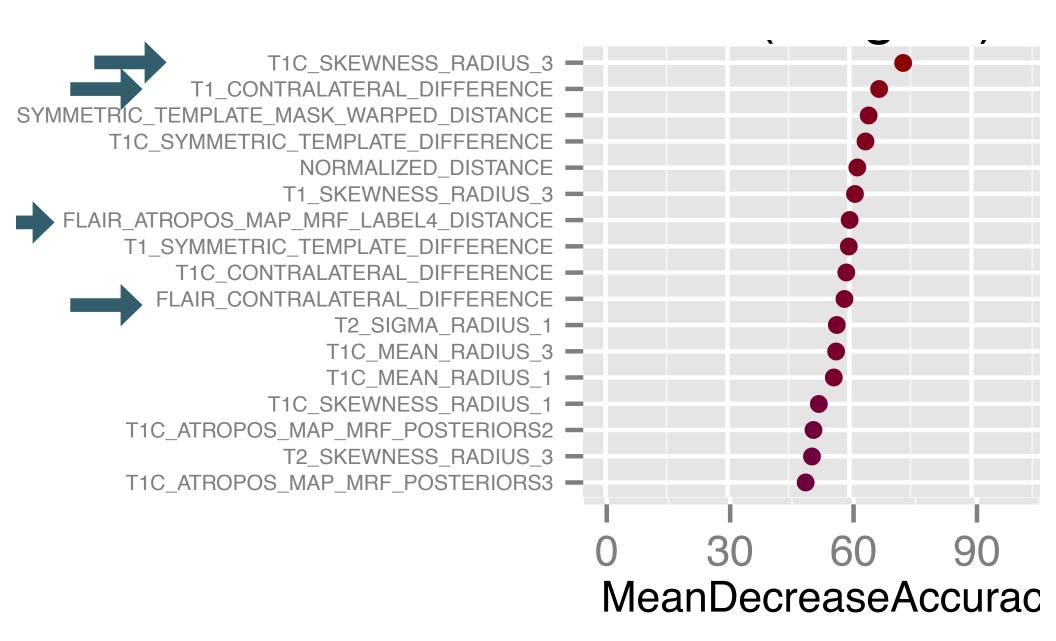


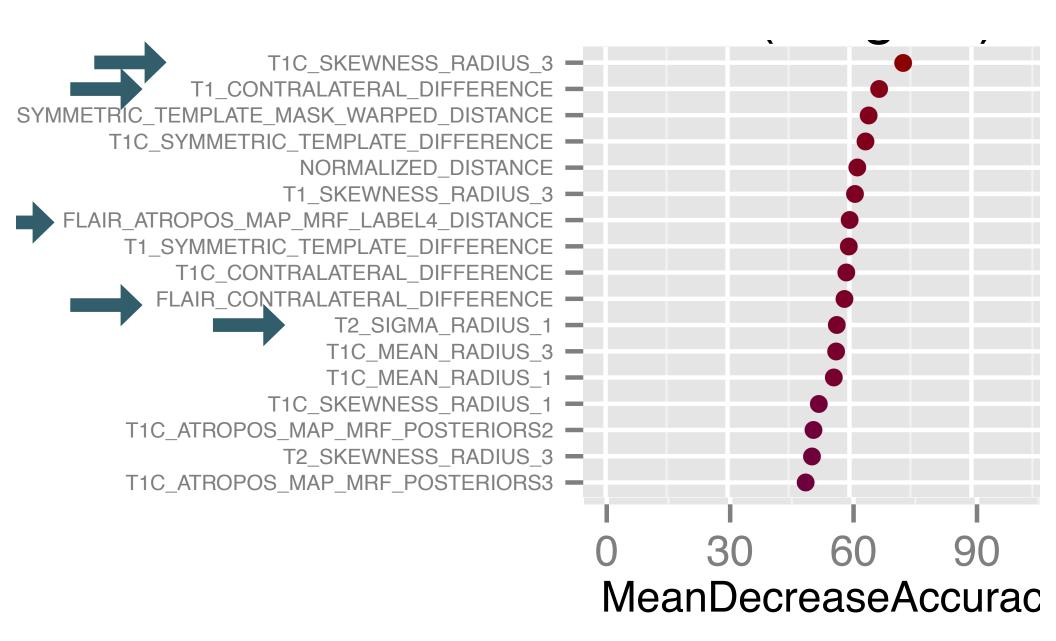












BRATS 2013			
Real data	whole	core	active
Dice (in %)	HG only	HG only	
Cordier	84	68	65
Doyle	71	46	52
Festa	72	66	67
Meier	82	73	69
Reza	83	72	72
Tustison	<u>87</u>	<u>78</u>	<u>74</u>
Zhao (II)	84	70	65



1st Place Award

to

Nick Tustison

for

the top-performing multi-modal brain tumor segmentation algorithm

Presented on September 22, 2013

[Bruce Lee]

[Barak H. Obama]

Only competitors

Only competitors to release their solution:

Only competitors to release their solution:

Only competitors to release their solution:

https://github.com/ ntustison/BRATS2013