

(a)

Predictors	Relevance
Shape Volume_delta	26.5
GLDZM LILDE_delta	22.57
IH P10	0.52
Shape Sphericity_delta	1.17
Fractal Average_delta	1.09
Stats P90	2.65
Shape AreaDensityBE_delta	8.08
NGTDM Contrast_delta	3.26
IH Energy_delta	12.41
GLCM Dissimilar_delta	4.16

(b)

Predictors	Relative importance	Coefficient
Shape Volume_delta	0.56	0.76
GLDZM LILDE_delta	0.44	4.61

(c)

Predictors	Relevance	Predictors	Relevance
Shape Volume_delta	1.55	Stats_QCOD	0.24
GLSZM IV	0.20	GLRLM GLV	0.20
GLCM AutoCorr_delta	0.18	Shape AreaDensityBE_delta	0.58
Shape VolumeDensityBB	0.67	IH RMeanD	0.22
GLRLM SRLGE	0.14	IH Skewness_delta	0.32
GLSZM SZNN_delta	0.44	Stats Cov	0.32
NGLDM DV	0.29	LocInt PeakLocal	0.43
LocInt PeakGlobal_delta	0.60	GLSZM SZNN	0.22
Shape Compactness2_delta	0.29	GLCM InvDiffNorm_delta	0.32
Stats RMeanD_delta	0.21	GLSZM ZP_delta	0.31
Shape Elongation_delta	0.69	GLSZM LAE_delta	0.41
IH QCOD_delta	0.30	IH IQR	0.07
Stats RMS	0.24	Shape MajorAxisLength	0.28
GLCM InvDiffMomNor	0.22	NGTDM Contrast_delta	0.29
GLSZM INN	0.23	GLCM InvDiffMomNor_delta	0.48
Shape Asphericity	0.37	Fractal SD_delta	0.37
IH MinGrad_delta	0.54	GLCM MaxCorr_delta	0.23
GLRLM GLN_delta	0.41	GLRLM RP_delta	0.25
IH Kurtosis	0.27	Stats Median	0.33
GLDZM LILDE_delta	1.04	NGTDM Busyness	0.31
GLSZM HIE	0.16	Stats Kurtosis_delta	0.26
Shape Elongation	0.91	NGLDM DV_delta	0.29
IH MaxGradI_delta	0.30	GLRLM LRE_delta	0.25
GLCM ClusProm	0.20	GLSZM LILAE_delta	0.30
GLDZM ZP_delta	0.31	Stats_Median_delta	0.28