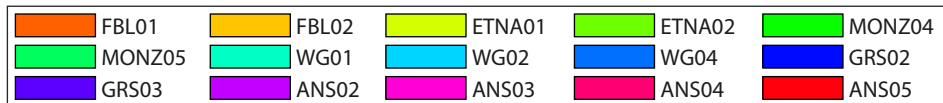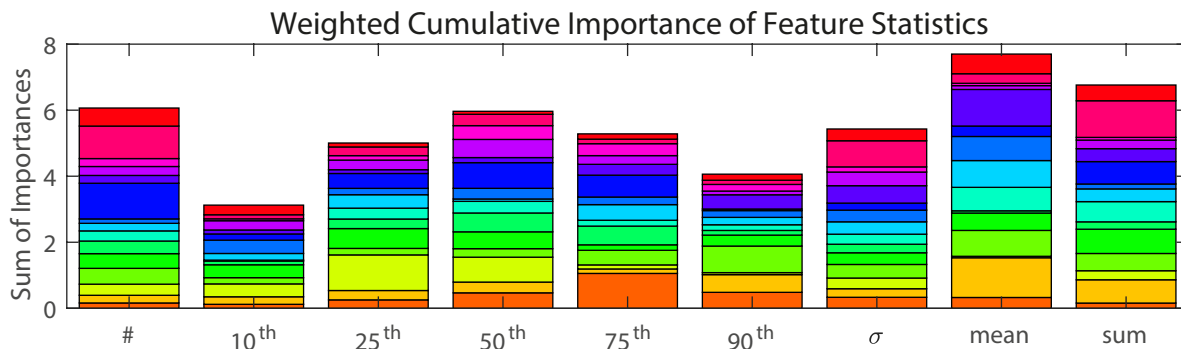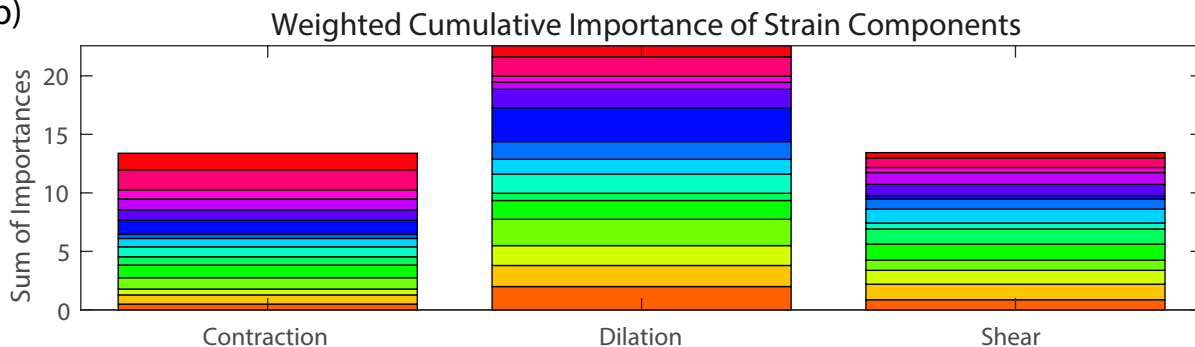# Weighted Cumulative SHAP Values

Legend: FBL01, FBL02, ETNA01, ETNA02, MONZ04, MONZ05, WG01, WG02, WG04, GRS02, GRS03, ANS02, ANS03, ANS04, ANS05

a) Weighted Cumulative Importance of Feature Statistics

Sum of Importances (y-axis, 0 to 8)

x-axis: #, 10th, 25th, 50th, 75th, 90th, σ, mean, sum

b) Weighted Cumulative Importance of Strain Components

Sum of Importances (y-axis, 0 to 20+)

x-axis: Contraction, Dilation, Shear

c) Weighted Cumulative Importance of Top 9 Features

Sum of Importances (y-axis, 0 to 6)

x-axis: Dilation mean, Dilation sum, Contraction num, Contraction sum, Dilation 75th, Shear std, Dilation 50th, Dilation num, Shear 50th