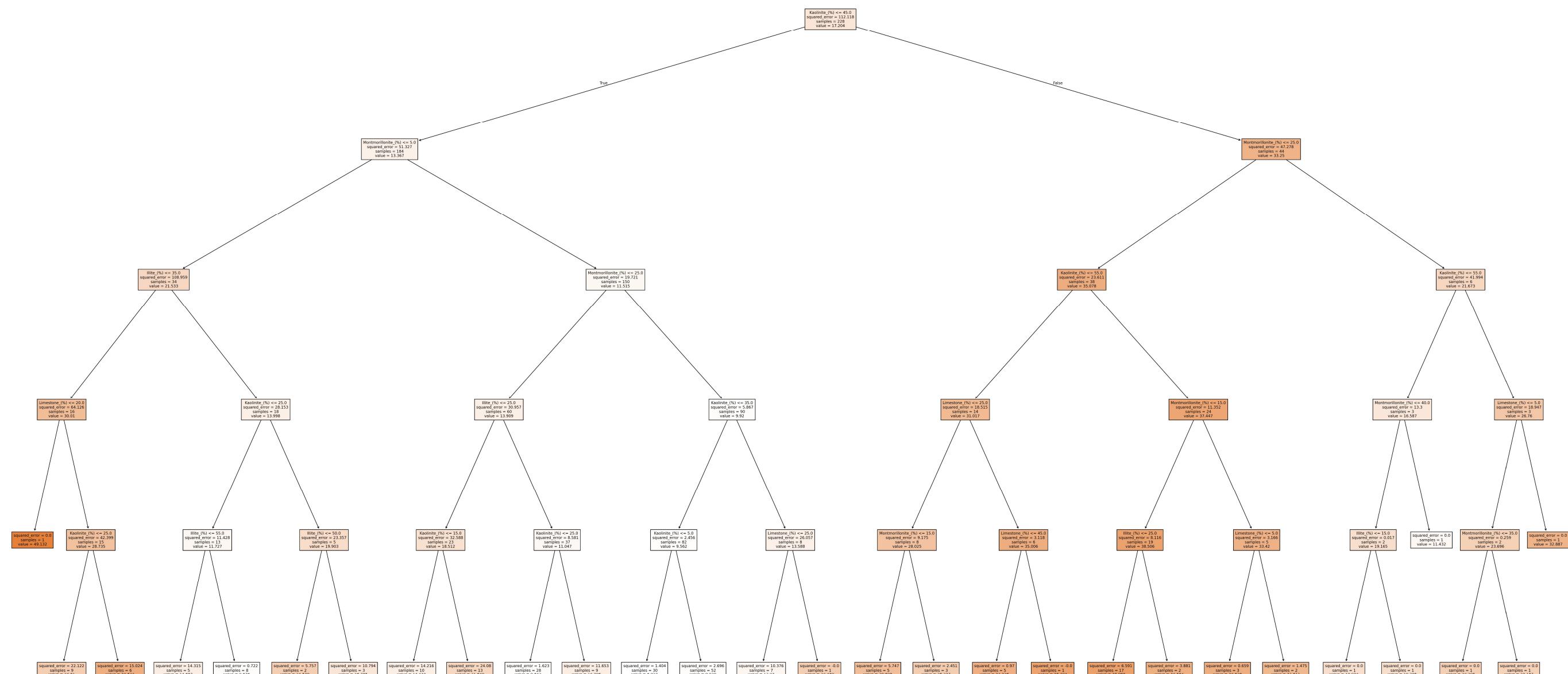
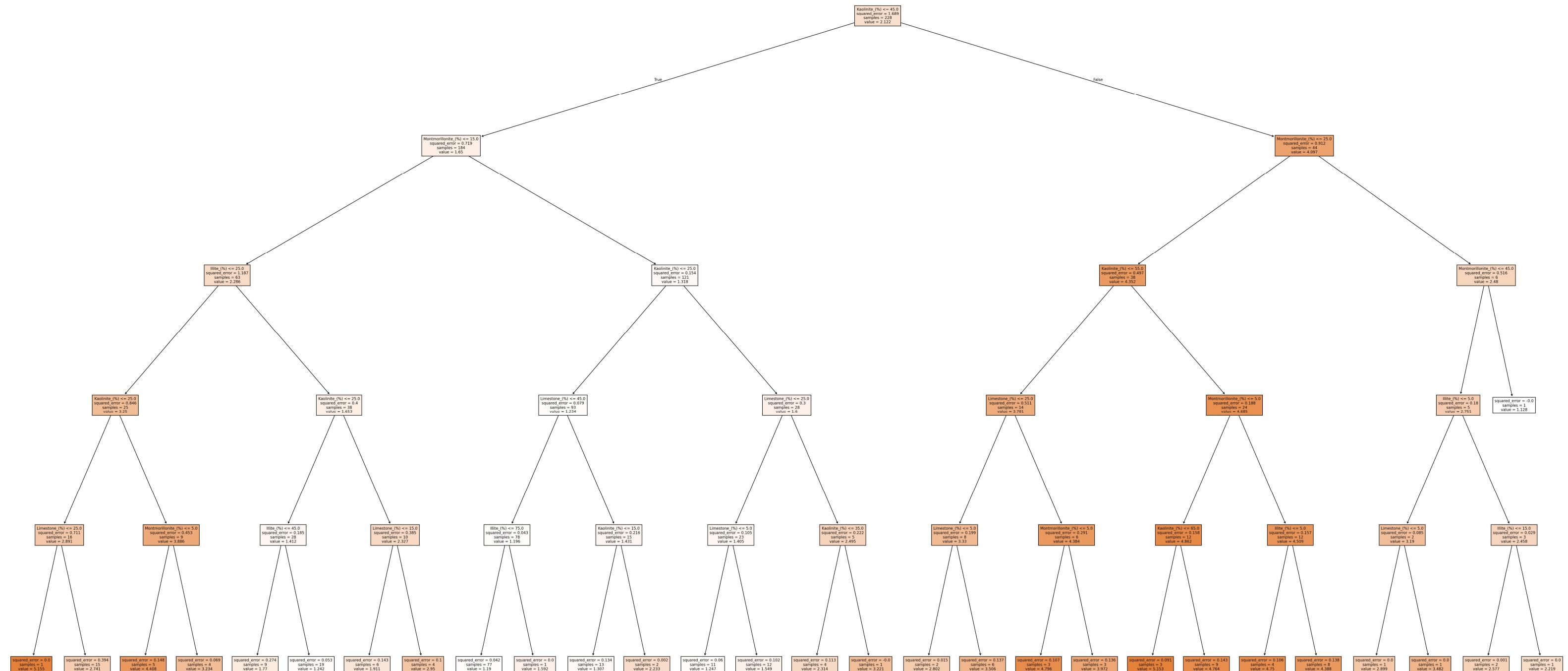


Decision Tree for Linear Regression - Compressive Strength



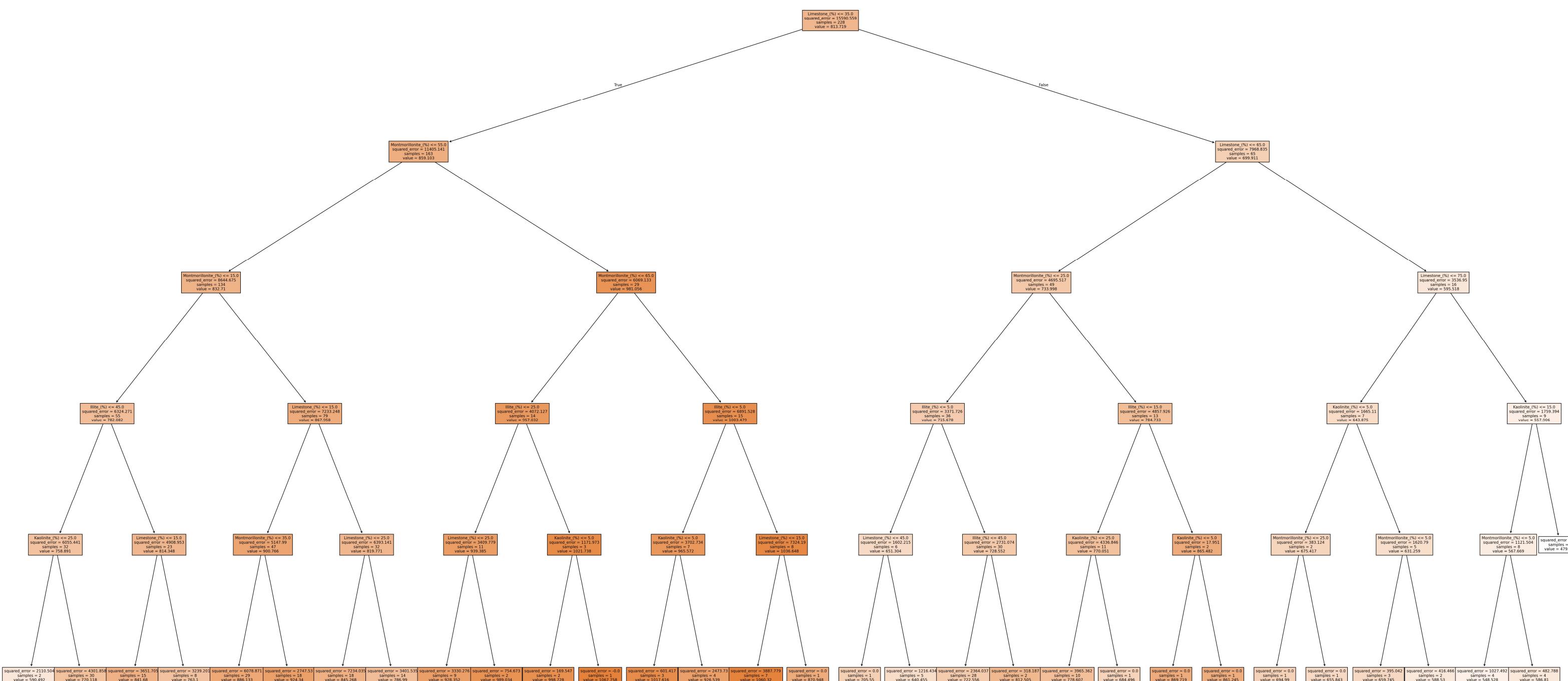
$$\text{Compressive Strength} = 49.132 + (-0.047 \times \text{Kaolinite}_{(\%)} ) + (-0.439 \times \text{Illite}_{(\%)} ) + (-0.501 \times \text{Montmorillonite}_{(\%)} ) + (-0.286 \times \text{Limestone}_{(\%)})$$

Decision Tree for Linear Regression - Flexural Strength



$$\text{Flexural Strength} = 5.155 + (0.003 \times \text{Kaolinite}_{(\%)} ) + (-0.045 \times \text{Illite}_{(\%)} ) + (-0.052 \times \text{Montmorillonite}_{(\%)} ) + (-0.027 \times \text{Limestone}_{(\%)} )$$

Decision Tree for Linear Regression - Yield Stress



$$\text{Yield Stress} = 544.552 + (2.520 \times \text{Kaolinite}_{\%}) + (3.149 \times \text{Illite}_{\%}) + (5.248 \times \text{Montmorillonite}_{\%}) + (-0.179 \times \text{Limestone}_{\%})$$