

Component	Relative Importance (approx.)
cement	0.95
slag	0.82
ash	0.78
water	0.98
splast	0.88
coarse	0.98
fine	0.98
age	0.60

A heatmap showing the pairwise Pearson correlations between the variables: cement, slag, ash, water, splast, coarse, fine, and age. The color scale ranges from -1.00 (dark blue) to 0.75 (dark red), with 0.00 being white. The diagonal elements are all 1.00 (white). The strongest negative correlation is between 'splast' and 'water' (approximately -0.85). Other notable negative correlations include 'splast' and 'fine' (approximately -0.55), and 'fine' and 'age' (approximately -0.45). The strongest positive correlation is between 'splast' and 'ash' (approximately 0.45). The correlation between 'water' and 'fine' is approximately 0.35.

	cement	slag	ash	water	splast	coarse	fine	age
cement	1.00	-0.25	-0.15	-0.10	-0.10	-0.10	-0.10	-0.10
slag	-0.25	1.00	-0.20	-0.15	-0.15	-0.15	-0.15	-0.15
ash	-0.15	-0.20	1.00	0.45	0.10	0.10	0.10	0.10
water	-0.10	-0.15	0.45	1.00	-0.85	-0.10	0.35	0.10
splast	-0.10	-0.15	0.10	-0.85	1.00	-0.10	-0.55	-0.10
coarse	-0.10	-0.15	0.10	-0.10	-0.10	1.00	0.10	0.10
fine	-0.10	-0.15	0.10	0.35	-0.55	0.10	1.00	-0.45
age	-0.10	-0.15	0.10	0.10	-0.10	0.10	-0.45	1.00