

Feed intake can be predicted as quantitative or qualitative traits

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The recording of true feed intake is expensive → we need proxies

Simple linear prediction of feed intake

PREDICTED FEED INTAKE

74 % percent of lambs successfully categorized

Quantitative ($h^2 = 0.22 \pm 0.08$)

Categorical ($h^2 = 0.27 \pm 0.10$)

Between true feed intake and both predicted feed intake traits : $r_g \sim 0,62 \pm 0,15$

Quantitative ($h^2 = 0.28 \pm 0.08$)

Residual Feed Intake is the same trait whether calculated from the quantitative or categorical feed intake trait ($r_g = 1.00$).

For genetic purposes, feed intake proxies can be either quantitative or categorical traits.

Categorical ($h^2 = 0.33 \pm 0.10$)