

Opis modela

Vrsta: Ovce

Pasma: Frizijska

Grupa svojstava: Dnevna mliječnost

Model VCE (1):

$\text{milk} = [1, \text{sr}(\text{dim})]\text{liveborn} + [1, \text{sr}(\text{dim}), \text{p1}(\text{age})]\text{parity} + \text{ym_lamb} + \text{herd} + \text{htd} + \text{permp} + \text{animal};$

$\text{fat} = [1, \text{sr}(\text{dim})]\text{liveborn} + [1, \text{sr}(\text{dim}), \text{p1}(\text{age})]\text{parity} + \text{ym_lamb} + \text{herd} + \text{htd} + \text{permp} + \text{animal};$

$\text{prot} = [1, \text{sr}(\text{dim})]\text{liveborn} + [1, \text{sr}(\text{dim}), \text{p1}(\text{age})]\text{parity} + \text{ym_lamb} + \text{herd} + \text{htd} + \text{permp} + \text{animal};$

Model VCE (2):

$\text{fatp} = \text{liveborn} + [1, \text{sr}(\text{dim})]\text{parity} + \text{ym_lamb} + \text{herd} + \text{htd} + \text{permp} + \text{animal};$

$\text{protp} = \text{liveborn} + [1, \text{sr}(\text{dim})]\text{parity} + \text{ym_lamb} + \text{herd} + \text{htd} + \text{permp} + \text{animal};$

$\text{sclog} = \text{liveborn} + [1, \text{sr}(\text{dim})]\text{parity} + \text{ym_lamb} + \text{herd} + \text{htd} + \text{permp} + \text{animal};$

Legenda

milk = dnevna količina mlijeka

fat = dnevna količina mliječne masti

prot = dnevna količina bjelančevina

fatp = dnevni sadržaj mliječne masti (%)

protp = dnevni sadržaj bjelančevina (%)

scs = broj somatskih stanica (log)

Utjecaji:

Kovarijabla:

dim = stadij laktacije

Fiksni utjecaji:

liveborn = veličina legla (n=2)

parity = laktacija (n=6)

ym_lamb = interakcija godina*mjesec janjenja

herd = stado

Slučajni utjecaji:

htd = interakcija stado*dan kontrole

permp = interakcija životinja*laktacija

animal = životinja