STØTTET AF
Mælkeafgiftsfonden

Phenotypic correlations for calving traits

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RDC
Correlations for mean phenotypic values for November data for bulls born 2010 to 2015.
Correlations are calculated by n_offspring, by cetype and by calv_country

Explanation for the table:

- Corr= correlation between mean phenotypic value for current data and mean phenotypic value for snell score data for the trait of interest
- N_bulls = number of bulls behind the correlation
- Country= the country of the calves which are behind the mean phenotypic value
- Cetype= the cetype of the calves which are behind the mean phenotypic value, cetype1=missing ce, cetype2=ce on a 4-point scale, cetype3=ce on a 3-point scale.
- n_offspring = minimum number of offspring behind the mean phenotypic value

For FIN calves the correlations for cetype1 are not shown since the still born FIN calves have dummy nav_id's.
Correlations are generally very high (close to 0.999).
When correlations are not by calv_country then the correlations decrease. This is not a problem in the evaluation, since calv_country is taken care by herd year effect in the model.

phenotypic correlations

the phenotypic correlatin for CE1 and CE2 is low if we do not sort by calv country

inputdata3

by n_offpsring

NAME	korr	N_bulls	n_off
sb1	0.989	554	100
ce1	0.612	421	100
cs1	0.985	86	100
sb2	0.954	718	100
ce2	0.702	669	100
cs2	0.998	156	100
sb1	0.986	213	200
ce1	0.783	175	200
cs1	0.983	66	200
sb2	0.960	539	200
ce2	0.548	346	200
cs2	0.998	87	200
sb1	0.980	155	300
ce1	0.832	142	300
cs1	0.981	49	300
sb2	0.949	266	300
ce2	0.613	202	300
cs2	0.998	69	300

inputdata4

by n_offspring and calv_country

NAME	korr	N_bulls	l_off	n_off
sb1	0.990	88	DNK	100
ce1	0.983	86	DNK	100
cs1	0.985	86	DNK	100
sb2	0.999	179	DNK	100
ce2	0.971	164	DNK	100
cs2	0.998	156	DNK	100
sb1	0.984	69	DNK	200
ce1	0.977	66	DNK	200
cs1	0.983	66	DNK	200
sb2	0.999	91	DNK	200
ce2	0.984	87	DNK	200
cs2	0.998	87	DNK	200
sb1	0.980	55	DNK	300
ce1	0.974	50	DNK	300
cs1	0.981	49	DNK	300
sb2	0.999	71	DNK	300
ce2	0.986	69	DNK	300
cs2	0.998	69	DNK	300
sb1	0.997	248	SWE	100
ce1	0.959	243	SWE	100
sb2	0.999	320	SWE	100
ce2	0.939	319	SWE	100
sb1	0.997	95	SWE	200
ce1	0.980	95	SWE	200
sb2	0.999	225	SWE	200
ce2	0.945	221	SWE	200
sb1	0.995	66	SWE	300
ce1	0.976	65	SWE	300
sb2	0.998	114	SWE	300
ce2	0.964	113	SWE	300
ce1	0.997	203	FIN	100
ce2	0.996	370	FIN	100
ce1	0.998	111	FIN	200
ce2	0.997	162	FIN	200
ce1	0.998	89	FIN	300
ce2	0.998	119	FIN	300

inputdata5

by n_offspring and cetype

NAME	korr	N_bulls	cetype	n_off
sb1	0.987	118	1	100
sb2	0.979	282	1	100
sb1	0.991	75	1	200
sb2	0.989	119	1	200
sb1	0.994	35	1	300
sb2	0.989	86	1	300
sb1	0.986	342	2	100
ce1	0.697	342	2	100
cs1	0.985	85	2	100
sb2	0.946	629	2	100
ce2	0.759	629	2	100
cs2	0.998	152	2	100
sb1	0.980	164	2	200
ce1	0.827	164	2	200
cs1	0.983	65	2	200
sb2	0.944	270	2	200
ce2	0.609	270	2	200
cs2	0.998	87	2	200
sb1	0.978	139	2	300
ce1	0.855	139	2	300
cs1	0.981	49	2	300
sb2	0.923	188	2	300
ce2	0.693	188	2	300
cs2	0.998	68	2	300
sb1	0.995	27	3	100
ce1	0.996	27	3	100
sb2	0.998	66	3	100
ce2	0.999	66	3	100
sb1	0.998	13	3	200
ce1	0.999	13	3	200
sb2	0.999	24	3	200
ce2	0.999	24	3	200
sb1	0.998	8	3	300
ce1	1.000	8	3	300
sb2	0.999	13	3	300
ce2	0.999	13	3	300

inputdata2

by n_offspring and cetype and calv_country

NAME	korr	N_bulls	l_off	cetype	n_off
sb1	0.989	86	DNK	2	100
ce1	0.983	86	DNK	2	100
cs1	0.985	85	DNK	2	100
sb2	0.999	164	DNK	2	100
ce2	0.971	164	DNK	2	100
cs2	0.998	152	DNK	2	100
sb1	0.983	66	DNK	2	200
ce1	0.977	66	DNK	2	200
cs1	0.983	65	DNK	2	200
sb2	0.999	87	DNK	2	200
ce2	0.984	87	DNK	2	200
cs2	0.998	87	DNK	2	200
sb1	0.979	50	DNK	2	300
ce1	0.974	50	DNK	2	300
cs1	0.981	49	DNK	2	300
sb2	0.999	69	DNK	2	300
ce2	0.986	69	DNK	2	300
cs2	0.998	68	DNK	2	300
sb1	0.997	172	SWE	2	100
ce1	0.988	172	SWE	2	100
sb2	0.998	269	SWE	2	100
ce2	0.976	269	SWE	2	100
sb1	0.996	90	SWE	2	200
ce1	0.993	90	SWE	2	200
sb2	0.998	151	SWE	2	200
ce2	0.971	151	SWE	2	200
sb1	0.993	60	SWE	2	300
ce1	0.993	60	SWE	2	300
sb2	0.998	98	SWE	2	300
ce2	0.975	98	SWE	2	300
ce1	0.997	203	FIN	2	100
ce2	0.996	370	FIN	2	100
ce1	0.998	111	FIN	2	200
ce2	0.997	162	FIN	2	200
ce1	0.998	89	FIN	2	300
ce2	0.998	119	FIN	2	300
sb1	0.995	27	SWE	3	100
ce1	0.996	27	SWE	3	100
sb2	0.998	66	SWE	3	100
ce2	0.999	66	SWE	3	100
sb1	0.998	13	SWE	3	200
ce1	0.999	13	SWE	3	200
sb2	0.999	24	SWE	3	200
ce2	0.999	24	SWE	3	200
sb1	0.998	8	SWE	3	300
ce1	1.000	8	SWE	3	300
sb2	0.999	13	SWE	3	300
ce2	0.999	13	SWE	3	300