Heritability Estimation Using LDAK

Installation:

We used LDAK version 5.2 available for download from https://dougspeed.com/downloads2/

GRM Calculation:

We calculated LD-Adjusted Kinships using the --calc-kins-direct option

ldak5.2.linux --calc-kins-direct ldak_pruned --ignore-weights YES --power -0.25 --bfile LD_pruned/P50_round2_LD_pruned_3473

Kinship matrix saved in files with prefix ldak_pruned

Phenotype Data:

We used the same input files we used for the GCTA analysis. These are in PLINK file format.

Heritability Command:

ldak5.2.linux --reml body_weight_g --grm ldak_pruned --pheno selected_trait_body_weight_g.pheno

Script name: LDAK.sh

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Parsing the Output:

Script name: parse_LDAK_results.sh