Genetic Model: P=G+E rename P with y corresponding to the pheno revome G with I the geno typic value - For an animal i , the phinotypic observation Ti can be alecomposed into? pherotype yij= Vilt Cij ) - environment · Decomposition of vi is inserted: | vi=u+u+d: 4jj = u+ u; + oi + 1; +e;

· From a livestock breedily perspective, because parents pass a random sample of their alleles to heir efforing, us are especially important

Domeivance and epistasis are K-grouped togethe with ei into a new et random term