vector & corresponds to the vector of effects. = Example: herol as fixed effect. In the data set there are two herds, here the vector B is of length ? B= [Anend] " average influence of head 4 on like LB west 2 - average in fluence of herd 2 on WWG. unknown and has to be estimated from the data. What is known from the data set is which animal is in which herd. And this information will be used to construct the design matrix X Vector u of breeding values. The vector u contains breeding values for all animals given in the data set. Hence, also for those animals without diservations but with offspring in the dorta set. (Example NA stands is the encoding for a missing data point) Us