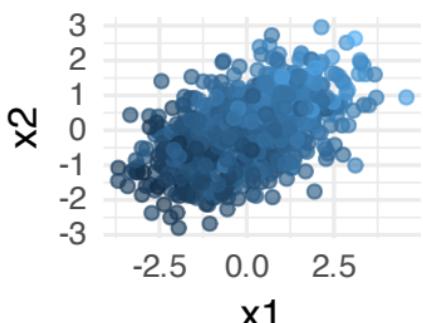


PCA: máxima variância  $\neq$  fator gerador

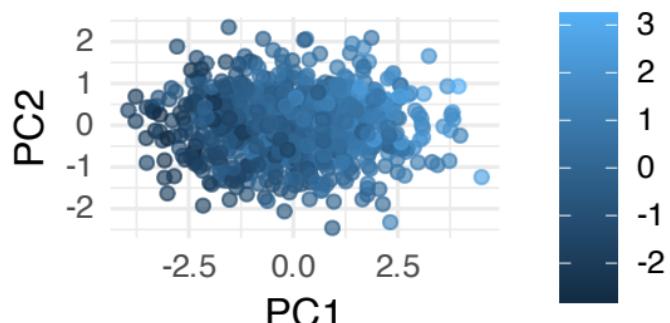
### Espaço original

Cor indica o fator gerador real ( $z_1$ )  $\text{Var}(\text{PC1})=79.9\%$  |  $\text{Var}(\text{PC2})=20.1\%$



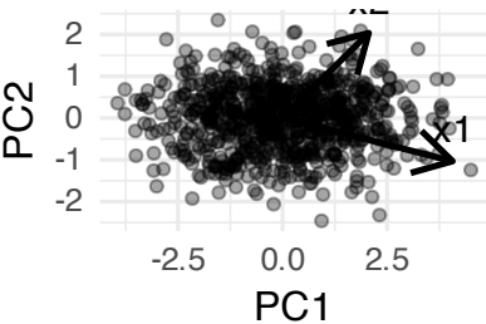
### Espaço PCA

$\text{Var}(\text{PC1})=79.9\%$  |  $\text{Var}(\text{PC2})=20.1\%$



### Biplot

PCs descrevem variância, não fatores geradores  
variância total dos dados originais: 100.0%



### Scree plot

