

# of response variables

## Classical linear models

## Generalized linear models

1	<b>LM family: <math>E(y)=\mathbf{X}\beta</math>, <math>V(y \mathbf{X})=\sigma^2\mathbf{I}</math></b> Anova, regression, ... Many graphical methods: effect plots, spread-leverage, influence, ...	<b>GLM: <math>E(y)=g^{-1}(\mathbf{X}\beta)</math>, <math>V=V[g^{-1}(\mathbf{X}\beta)]</math></b> poisson, logistic, loglinear, ... Some graphical methods: mosaic plots, 4fold plots, diagnostic plots, ...
2+	<b>MLM: <math>E(\mathbf{Y})=\mathbf{X}\beta</math>, <math>V(\mathbf{Y} \mathbf{X})=\mathbf{I}\otimes\Sigma</math></b> MANOVA, MMReg, ... Graphical methods: ???	<b>MGLM: ???</b>  Graphical methods: ???

