



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