$$y=bx+a$$

$$y\_{i}=bx\_{i}+a+e\_{i}$$

$$y\_{i}=b\_{1}x\_{1i}^{}+b\_{2}x\_{2i}^{}+b\_{3}x\_{3i}^{}+b\_{4}x\_{4i}^{}+b\_{0}+e\_{i}$$

Nelineární – kvadratický a kubický člen

$$y\_{i}=b\_{1}x\_{1i}^{2}+b\_{2}x\_{2i}^{}+b\_{3}x\_{3i}^{3}+b\_{4}x\_{4i}^{2}+b\_{0}+e\_{i}$$

S interakcí X1 a X2

$$y\_{i}=b\_{1}x\_{1i}^{}+b\_{2}x\_{2i}^{}+b\_{3}x\_{3i}^{}+b\_{4}x\_{4i}^{}+b\_{12}x\_{1i}^{}x\_{2i}^{}+b\_{0}+e\_{i}$$

Logistická regrese

$$y\_{i}=\frac{e^{b\_{1}x\_{1i}^{}+b\_{2}x\_{2i}^{}+b\_{3}x\_{3i}^{}+b\_{4}x\_{4i}^{}+b\_{0}+e\_{i}}}{1+ e^{b\_{1}x\_{1i}^{}+b\_{2}x\_{2i}^{}+b\_{3}x\_{3i}^{}+b\_{4}x\_{4i}^{}+b\_{0}+e\_{i}}}=\frac{1}{1+ e^{-(b\_{1}x\_{1i}^{}+b\_{2}x\_{2i}^{}+b\_{3}x\_{3i}^{}+b\_{4}x\_{4i}^{}+b\_{0}+e\_{i})}}$$

