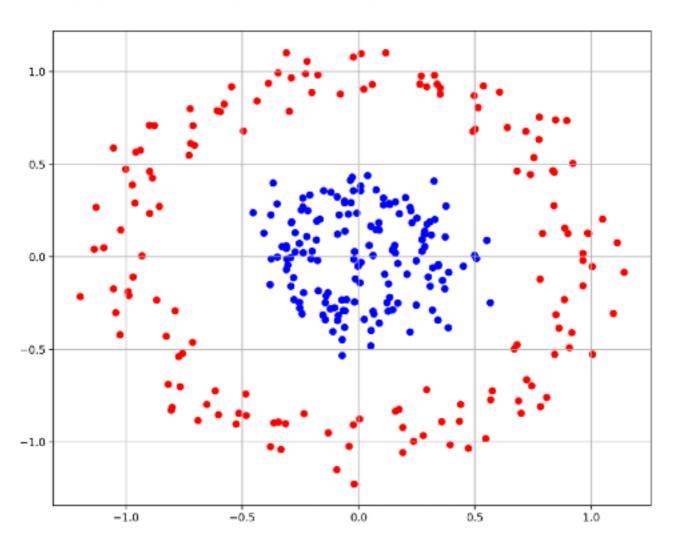
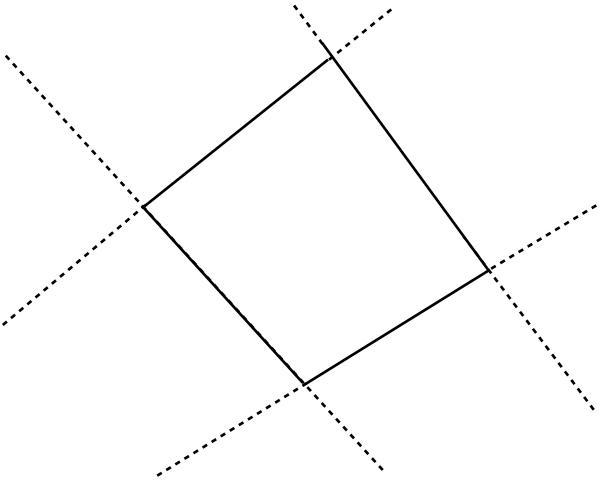


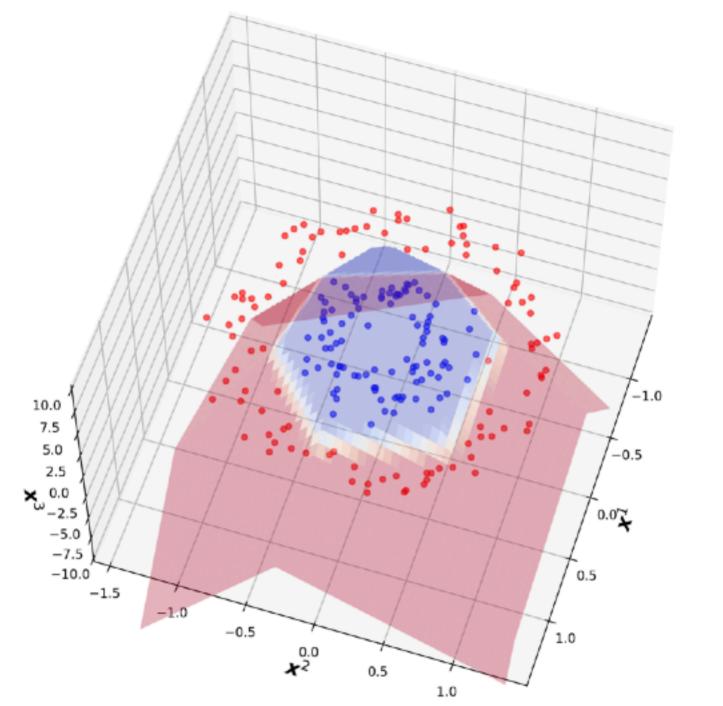
Machine learning classique

Intro to neural nets



Comment adapter ce modèle à des données plus complexes?





Linéarités

$$\det \mathbf{v}^{\top} \mathbf{a} \mathbf{1}$$

$$z_1 \stackrel{\text{def}}{=} \mathbf{x}^{\top} \boldsymbol{\beta}^{\mathbf{1}} + \alpha_1$$

$$\mathbf{x}^{\mathsf{T}} \boldsymbol{\beta}^{\mathbf{1}} +$$

$$\mathbf{x}^{\top} \boldsymbol{\beta}^{\mathbf{1}} +$$

$$\mathbf{x}^{\top} \boldsymbol{\beta}^{\mathbf{1}} +$$

$$\mathbf{x}^{\top} \boldsymbol{\beta}^{\mathbf{1}} +$$

$$z_2 \stackrel{\text{def}}{=} \mathbf{x}^{\top} \boldsymbol{\beta}^2 + \alpha_2$$

$$\vdots$$

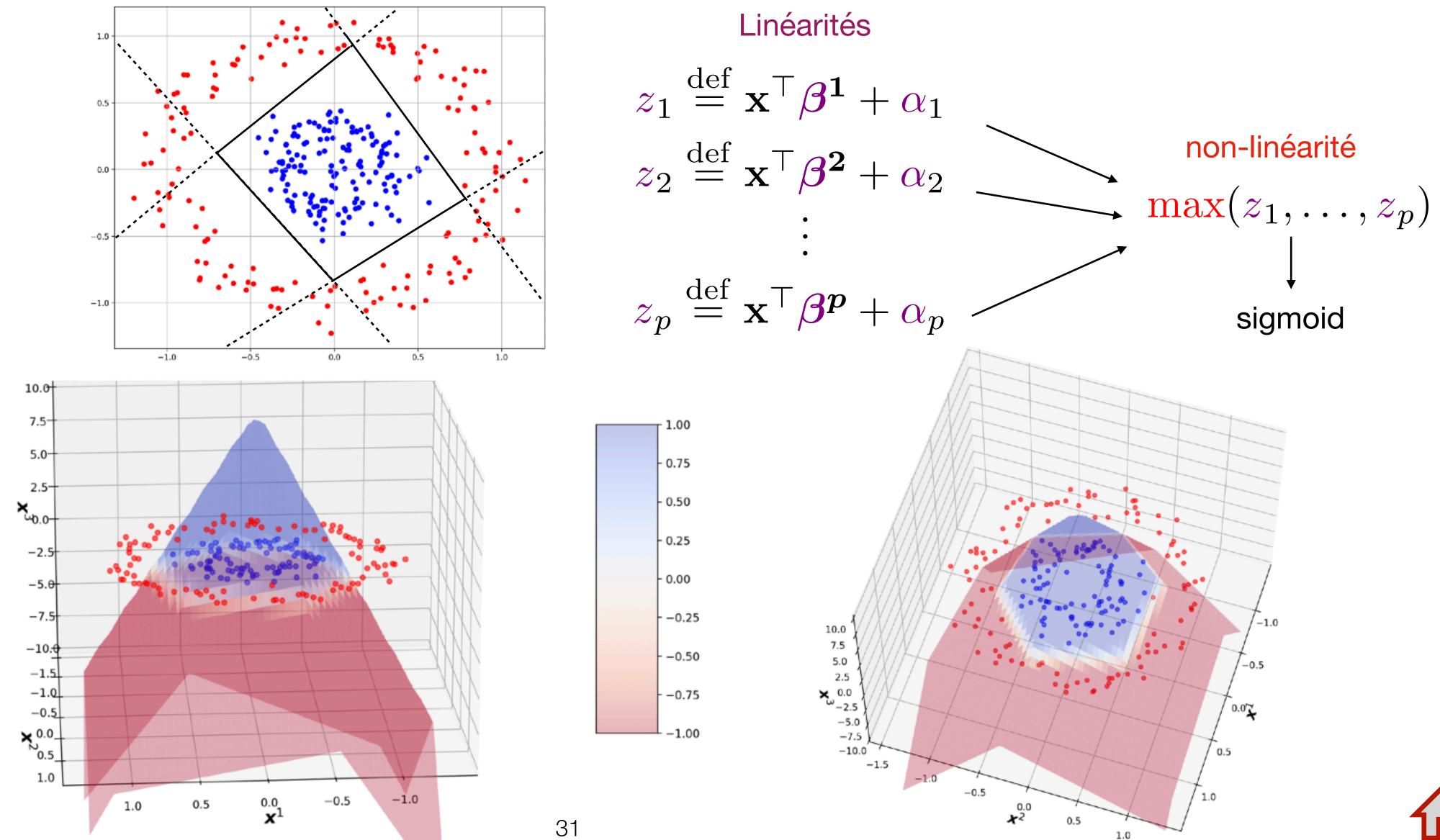
$$z_p \stackrel{\text{def}}{=} \mathbf{x}^{\top} \boldsymbol{\beta}^{\boldsymbol{p}} + \alpha_p .$$

$$\max_{z}(z_1,\ldots,z_p)$$

non-linéarité

$$oldsymbol{z}_1,\ldots, oldsymbol{z}_1$$

Comment adapter ce modèle à des données plus complexes ?







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