Fused Lasso

$$\frac{1}{2}||Ax-y||_2^2 + \lambda_1||x||_1 + \lambda_2 \text{TV}_1^{\text{1D}}(x)$$
PN solver
Soft-th

Variable Fusion

$$\frac{1}{2}||Ax-y||_2^2 + \lambda_1||x||_1 + \lambda_2 \text{TV}_2^{\text{1D}}(x)$$
Soft-th
PD
FISTA

Logistic Fused Lasso

$$L_{\log}(x,c)$$
 + $\lambda_1 ||x||_1$ + $\lambda_2 \mathrm{TV}_1^{\mathrm{1D}}(x)$ PN solver Soft-th

Log. Variable Fusion

$$L_{\log}(x,c)$$
 + $\lambda_1 ||x||_1$ + $\lambda_2 \mathrm{TV}_2^{\mathrm{1D}}(x)$ Soft-th MSN solver PD