Implementácia

upravený tvar úlohy pre solver

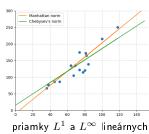
$$\begin{aligned} &\min \ c^T x \\ &A_{ub} x \leq b_{ub} \\ &A_{eq} x = b_{eq} \\ &x \in [l,u] \end{aligned} \qquad l \leq u; \ l,u \in (\mathbb{R} \cup \{-\infty,\infty\})^n \end{aligned}$$

Implementácia

```
c = np.concatenate(([0]*(k + 1), np.ones(n)))
A = np.block([np.ones((n, 1)), np.array(x.values)])
I = np.identity(n)

A_ub = np.block([[-A, -I], [A, -I]])
b_ub = np.concatenate([-y, y])
bounds = [(None, None)]*(k + 1) + [(0, None)] * n
```

Riešenie úlohy a vizualizácia



priamky L^1 a L^∞ lineárnyc regresií pre arbitrárne dáta