WEEKLY PARTICIPATION 2: MLE FOR POISSON REGRESSION

Recall that in Poisson regression we model $y | \mathbf{x} \sim \text{Poisson}(\exp(\boldsymbol{\theta}^T \mathbf{x}))$.

- Give the expression for $p_{\theta}(y_i|\mathbf{x}_i)$.
- State, in as simple a form you can manage, the optimization problem for finding an estimate $\hat{\theta}$ of θ by using MLE for Poisson regression.