Title of the Presentation

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Outline

Bullet Point Section

Enumerations

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   - Bullet point 1
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2. Bullet point 2
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Block Section

Blocks

Regular Block

- Bullet point 1
- Bullet point 2

Example Block

- Bullet point 1
- Bullet point 2

Alert Block

- Bullet point 1
- Bullet point 2

Formula Section

Mathematical Slides

We have an **objective function** $f : \mathbb{R}^k \to \mathbb{R}$

$$\max_x f(x)$$

$[x = (x_1, \ldots x_k)]$ subject to some **constraints** within $\mathbb{R}^k$:

$$g_i(x) = c_i \qquad \leftrightarrow \qquad \lambda_i \qquad i = 1, \ldots n$$
$$h_j(x) \leq d_j \qquad \leftrightarrow \qquad \mu_j \qquad j = 1, \ldots m$$

λ_i and μ_j are the **KKT multipliers** (basically Lagrange multipliers) we introduce for each constraint equation; it measures the change in the objective value of the optimal solution obtained by relaxing the constraint (shadow price).