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1. Pointwise Maximum
2. Partial Minimization
4. Conjugate Function
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2. Outlines
1. Definitions
1. Convex Function
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1 Convex Sets, And Convex Functions Proof: Let Us Denote The Set Of All Convex Combinations Of Points Of S By $C(S)$. Then The Set Of All Possible Convex Combinations Of Points Of S Is $C(S) := \{ \sum_{i=1}^n \lambda_i p_i \mid \lambda_i \geq 0, \sum_{i=1}^n \lambda_i = 1, p_i \in S \}$. If $X \in C(S)$ Then It Is A Convex Com
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$2 \sum_{i=1}^n \|w_i\|$ Linear Regression $\min_{w,b} \sum_{i=1}^n \|w_i - x_i\|$ Logistic Regression $\min_{w,b} \sum_{i=1}^n \log(1 + \exp(-b - \langle w, x_i \rangle)) + \lambda \|w\|$
 General Formulation The Pairs $(a_i; b_i)$ Are Given Data, b_i Is The Label Of The Data Point A_i Mar 8th, 2024
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\mathbb{R}^n . Then (i) The Orthogonal Projection Operator P_C Is *LI Mar 17th, 2024
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