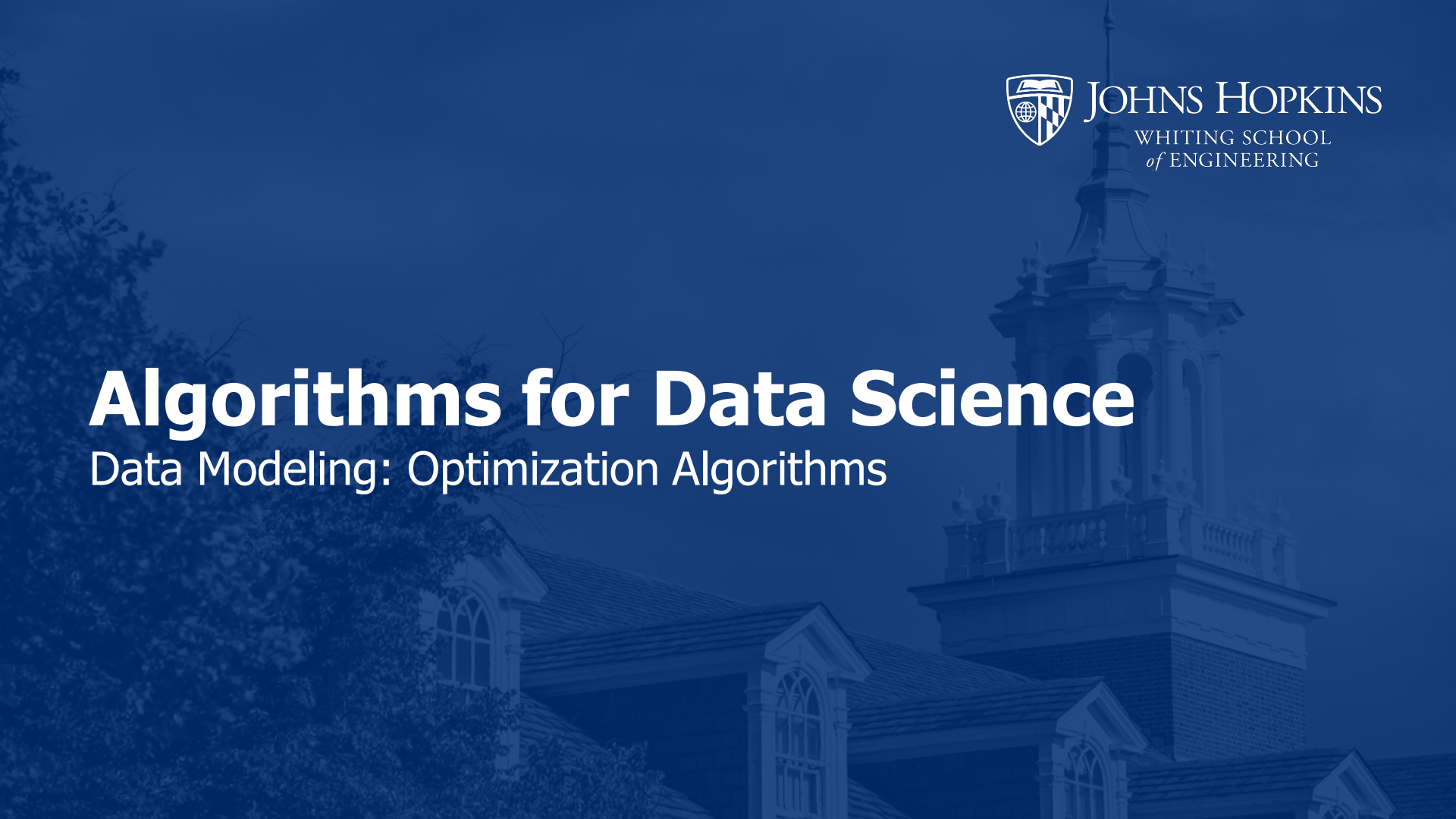


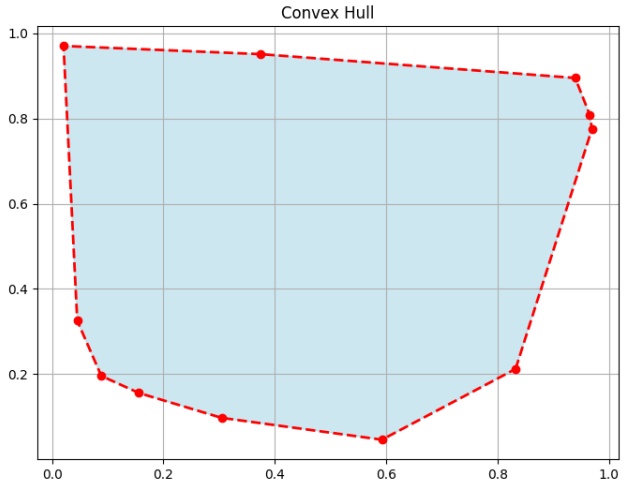
Algorithms for Data Science

Data Modeling: Optimization Algorithms

Optimization Algorithms

How do we find the best solution to a sea of possibilities?

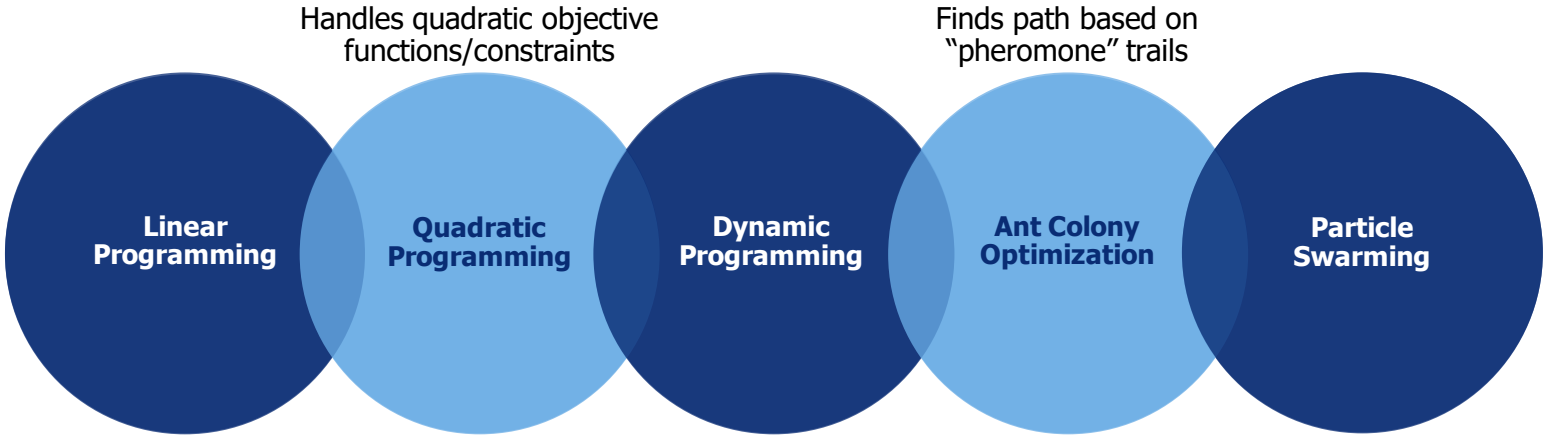
- How do airlines optimize flight schedules to reduce delays and costs?
- How do manufacturers allocate resources to maximize efficiency?

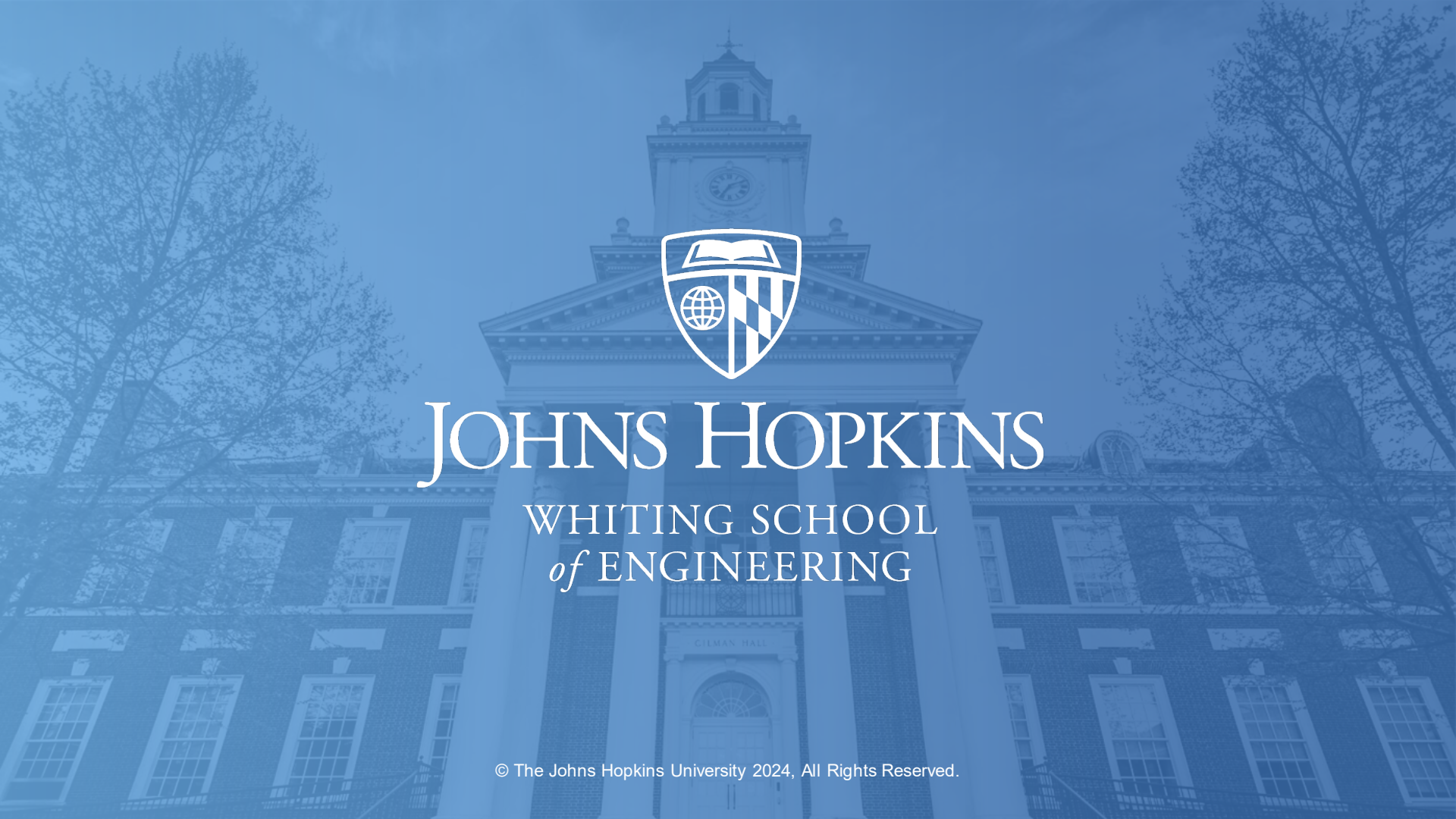


Optimization algorithms solve complex problems by identifying the best possible solution given specific objectives and constraints?

Optimization Algorithms

Optimization algorithms focus on finding the best solution to a problem given an objective function within a set of constraints.





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