

Mathematics for Business Administration: Multivariable Optimization

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These slides are intended for students of Business administration whose mathematical requirements go beyond the calculus for functions of one variable. The material includes a basic course on multivariable optimization problems, with and without constraints, and the tools of linear algebra needed for solving them.

Contents

- **Chapter One:** Convex sets. Convex and concave functions
- **Chapter Two:** Introduction to multivariable optimization
- **Chapter Three:** Classical optimization
- **Chapter Four:** Constrained Optimization

Appendix: Matrix Algebra and Quadratic Forms

Answers to the Problems

Answers to the Multiple choice questions