

Air Transport Economics and Statistics

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FUNDAMENTALS OF ECONOMICS

Economics : Meaning and Nature

- o Definition and Concept of Economics
- o Nature of Economics
- o Nature of Economic Law
- o Micro-Economic Analysis
- o Macro-Economic Analysis

Economies and Law of Demand

- o Demand Analysis
- o Law of Demand
- o Elasticity of Demand
- o Demand Forecasting

Economies and Law of Supply

- o Meaning of Supply
- o Law of Supply
- o Classification of Supply
- o Supply Function
- o Elasticity of Supply

Market Equilibrium

FUNDAMENTALS OF AIR TRANSPORT ECONOMICS

Evolving Air Transport Industry

- o Existing Financial Condition of Air Transport Industry
- o Airline Industry Consolidation
- o Factors affecting World Air Traffic Growth

Economic Impact of Air Transport

- o Direct and Indirect Impact
- o Induced and Total Impact
- o Economic and Social Benefit of Air Transport Operations

International Economics and Aviation

- International Economics and Trade
- Free Trade – Positive and Negative Aspects
- The Logic of Production Possibility, Absolute Advantage, Comparative Advantage and Free Trade
- Trade Protection and Trade Barriers
- Foreign Currency and Exchange

AIR TRANSPORT ECONOMICS: CORE PRINCIPLES

Market Demand and Supply for Airline Services

- Overview of Demand and Supply Concepts
- Determinants of Demand for Air Transportation
- Characteristics of Demand for Air Transportation
- Supply of Airline Services
- Characteristics Of Supply For Airline Services
- Airline Supply And Demand Equilibrium

Cost and Production Analysis in Air Transport Industry

- o General Concepts of Cost and Production Analysis
- o Airline Industry and Cost Structure
- o Airline Economies of Scale, Scope and Density
- o Airline Break-even Analysis
- o Airline Operating Leverage

Air Transport Market Structure and Monopolistic Markets

- o Perfect Competition
- o Monopoly
- o Airport Market Structures
- o Market Structure in Aviation Industry

Aviation Forecasting and Regression Analysis

- o Aviation Forecasting Applications
- o Qualitative Forecasting Methods
- o Quantitative Forecasting Methods
- o Descriptive Statistics
- o Time-Series Analysis

AIRPORT AIRLINE ECONOMICS AND INFRASTRUCTURE

Expenditure and Revenue Structure of Airports

- Airport Expense Profile
- Airport Revenue Profile
- Relationship between Revenue and Expense Profile
- Reasons for Variance and Useful Parameters

Financial Management of Airports

- o Concept of Financial Management in Airports
- o Economic Performance Management

Price Regulations and Airport Concessions

- o Price Regulations
- o Airport Concessions and Airport Economics

Air Transport Infrastructure: Supply and Demand

- The Nature of Air Transport Infrastructure
- Supply of Airport and Air Navigation Services
- Air Transport Demand

Open Skies and Global Alliances

- o Open Skies Agreement
- o Open Skies in Europe
- o Open Skies in Asia
- o Global Airline Alliances

Economies of Aviation Safety and Security

- Incentives for Aviation Safety
- Causes of Aviation Accidents
- The Basic Economics of Safety
- Safety Prevention