



Analytical and Critical Thinking Skills

مهارات التفكير التحليلي والنقدي

17 – 21 November 2025

Dubai / U.A.E.

Introduction

In an era flooded with data and conflicting information, analytical and critical thinking skills are essential to distinguish facts from illusions and make informed decisions in both work and life. Experts define critical thinking as the ability to analyze information objectively, examine evidence, and avoid biases, while analytical thinking focuses on breaking problems into smaller components to understand and solve them. A Stanford University study shows that individuals proficient in these skills achieve 40% better outcomes in solving complex problems.

This intensive five-day course is designed to enhance your ability to analyze data, evaluate logical arguments, and make accurate decisions under pressure. Using a mix of modern theories (such as Bloom's Taxonomy for critical thinking) and interactive exercises based on real-world scenarios (like financial report analysis or media campaign evaluation), you will learn how to turn challenges into opportunities with a structured, critical mindset.

Objectives

By the end of this course, participants will be able to:

1. Understand the difference between analytical and critical thinking and how to integrate them in problem-solving.
2. Develop data analysis skills and interpret information using tools such as cause-and-effect diagrams.
3. Master techniques to evaluate logical arguments and identify common fallacies.
4. Enhance the ability to make evidence-based decisions even with incomplete information.
5. Improve critical questioning skills to deconstruct false assumptions.
6. Apply systems thinking methodologies to understand interconnections in complex issues.
7. Build a reflective thinking habit to continuously improve professional and personal performance.

Who Should Attend?

This course is ideal for professionals, managers, project leaders, analysts, entrepreneurs, and students seeking to enhance their analytical and critical thinking skills. It equips participants to solve complex problems, make evidence-based decisions, and improve personal and professional performance in a data-driven world.

Course Outline**Day One****Fundamentals of Analytical and Critical Thinking**

- Introduction to Analytical and Critical Thinking:
 - Definitions and relevance in the digital age.
 - Case Study: How critical thinking saved a company from a bad investment.
 - Exercise: Analyze a news article to identify biases.
- Components of Critical Thinking:
 - Reasoning, analysis, evaluation, interpretation.
 - Example: Analyze a political argument using Socratic questioning.
 - Workshop: Evaluate credibility of a hypothetical information source.
- Difference Between Analysis and Critique:
 - When to use each approach.
 - Role-play: Solve a business problem analytically and critique a marketing plan.

Day Two**Analytical Tools and Problem Decomposition**

- Quantitative and Qualitative Data Analysis:
 - Tools such as flowcharts and comparison tables.
 - Case Study: Analyze sales data to detect hidden patterns.
 - Exercise: Interpret customer survey results.
- Identifying Logical Fallacies:
 - Common fallacies (e.g., circular reasoning, appeal to emotion).
 - Workshop: Analyze an advertising speech for fallacies.
 - Example: How fallacies are used in media to shape public opinion.
- Systems Thinking:
 - Understanding interconnections among problem elements.
 - Case Study: Analyze an environmental crisis using causal loop diagrams.

Day Three**Solving Complex Problems**

- Multi-dimensional Problem Analysis:
 - Using Ishikawa (Fishbone) diagrams.
 - Example: Analyze causes of low team productivity.
 - Workshop: Apply diagram to a hypothetical problem.
- Decision-Making Under Pressure:

- OODA Loop model: Observe, Orient, Decide, Act.
 - Role-play: Make quick decisions in a simulated crisis (e.g., marketing emergency).
- Creative Thinking in Analysis:
 - Integrating creativity with logic (divergent and convergent thinking).
 - Exercise: Generate unconventional solutions to a bureaucratic challenge.

Day Four

Evaluating Arguments and Making Decisions

- Building Strong Arguments:
 - Principles of logic (deduction, induction).
 - Example: Construct a persuasive argument to support an investment project.
 - Workshop: Analyze competing arguments in a virtual meeting.
- Critical Source Evaluation:
 - CRAAP Test criteria: Currency, Relevance, Accuracy, Authority, Purpose.
 - Exercise: Evaluate academic articles and social media blogs.
- Analysis Under Uncertainty:
 - Using scenario analysis to prepare for the future.
 - Case Study: How an airline prepared for a potential fuel crisis.

Day Five

Practical Application and Continuous Development

- Analyzing Real-World Issues:
 - Apply skills to global challenges like climate change or economic crises.
 - Workshop: Analyze an international climate report and develop recommendations.
- Reflective Thinking and Self-Improvement:
 - Tools such as thinking journals to evaluate daily decisions.
 - Example: How a marketing manager turned a failure into a strategic lesson.
- Project Presentation and Graduation:
 - Present participant analyses of selected issues.
 - Peer evaluation and discussion of challenges.
 - Certificate distribution and future development planning.

Training Method

- Pre-assessment
- Live group instruction
- Use of real-world examples, case studies and exercises
- Interactive participation and discussion
- Power point presentation, LCD and flip chart
- Group activities and tests
- Each participant receives a 7" Tablet containing a copy of the presentation, slides and handouts
- Post-assessment

Program Support

This program is supported by interactive discussions, role-play, case studies and highlight the techniques available to the participants.

Schedule

The course agenda will be as follows:

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|---------------------|------------------|
| • Technical Session | 08.30-10.00 am |
| • Coffee Break | 10.00-10.15 am |
| • Technical Session | 10.15-12.15 noon |
| • Coffee Break | 12.15-12.45 pm |
| • Technical Session | 12.45-02.30 pm |
| • Course Ends | 02.30 pm |

Course Fees*

- **3,950 USD**
**VAT is Excluded If Applicable*

المقدمة

في عصرٍ يموج بالبيانات والمعلومات المتناقضة، أصبح امتلاك مهارات التفكير التحليلي والنقدي ضرورةً للتمييز بين الحقائق والأوهام، واتخاذ قرارات مستنيرة في العمل والحياة. يُعرّف الخبراء التفكير النقدي بأنه القدرة على تحليل المعلومات بموضوعية، وفحص الأدلة، وتجنب التحيزات، بينما يركز التفكير التحليلي على تفكيك المشكلات إلى مكوناتٍ أصغر لفهمها وحلها. تشير دراسة أجرتها جامعة ستانفورد إلى أن الأفراد المتمرسين في هذه المهارات يحققون نتائج أفضل بنسبة 40% في حل المشكلات المعقدة.

هذه الدورة التدريبية المكثفة على مدى 5 أيام مصممة لتعزيز قدراتك على تحليل البيانات، وتقييم الحجج المنطقية، واتخاذ قرارات دقيقة تحت الضغط. من خلال مزيج من النظريات الحديثة (مثل نموذج بلوم للتفكير النقدي) وتمارين تفاعلية مستوحاة من سيناريوهات واقعية (مثل تحليل تقارير مالية أو تقييم حملات إعلامية)، ستتعلم كيف تُحوّل التحديات إلى فرص باستخدام عقلية ناقدة ومنهجية.

الاهداف

- فهم الفرق بين التفكير التحليلي والنقدي وتكاملها في حل المشكلات.
- تطوير مهارات تحليل البيانات وتفسيرها باستخدام أدوات مثل مخططات السبب والنتيجة.
- إتقان تقنيات تقييم الحجج المنطقية وكشف المغالطات الشائعة.
- تعزيز القدرة على اتخاذ قرارات قائمة على الأدلة في ظل المعلومات الناقصة.
- تحسين مهارات طرح الأسئلة النقدية لتفكيك الافتراضات الخاطئة.
- تطبيق منهجيات التفكير المنظومي لفهم الترابطات في القضايا المعقدة.
- بناء عادة التفكير التأملي لتحسين الأداء المهني والشخصي المستمر.

الحضور

تُعد هذه الدورة مثالية للمهنيين والمديرين وقادة المشاريع والمحليين ورواد الأعمال والطلاب الراغبين في تعزيز مهاراتهم في التفكير التحليلي والنقدي. تُزوّد المشاركين بالقدرة على حل المشكلات المعقدة، واتخاذ القرارات المبنية على الأدلة، وتحسين الأداء الشخصي والمهني في عالم يعتمد على البيانات.