# AI Data Bootcamp

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## Overview

* This program is for second-year generalist consultants.
* Business-oriented professionals with beginner-level technology knowledge
* The objective is to enable consultants to communicate AI & Data concepts effectively and apply them in business contexts

## Duration

* 5 days

## Format

Lectures and hands-on labs. (50%, 50%)

## Prerequisites

* Some background with Unix or Linux including the command line.
* Some knowledge of a programming language such as Python.

## Lab environment

* A reasonably modern laptop or desktop
* Unrestricted connection to the Internet. Laptops with overly restrictive VPNs or firewalls may not work properly
* Chrome browser
  + RDP client for your platform
  + SSH client for your platform

## Program Rationale

* Day 1: Laying the Foundation
  + The bootcamp starts with an introduction to AI, ensuring participants understand fundamental concepts before diving into applications.
  + Sessions cover AI subfields, its role in business, and relevant case studies, giving consultants a broad perspective on AI’s strategic value.
* Day 2: Understanding Data & Visualization
  + Before working with AI models, consultants must understand the types of data they will analyze.
  + PowerBI is introduced to help them visualize business data effectively, a key skill in consulting engagements.
* Day 3: Predictive Analytics & Forecasting
  + Participants explore predictive analytics and forecasting, learning how businesses make data-driven decisions.
  + PowerBI is reinforced as a tool to visualize and interpret predictive models, ensuring a seamless transition from analysis to insights.
* Day 4: Advanced AI & Generative AI
  + Deep learning and generative AI are covered, providing exposure to cutting-edge AI technologies.
  + Sessions on Prompt Engineering, RAG, and LangChain ensure participants can intelligently discuss AI’s capabilities.
* Day 5: Strategy, Governance & Capstone
  + AI governance, ethical considerations, and AI adoption strategies are explored.
  + The capstone project integrates all previous learnings, with participants presenting AI-driven business solutions to executives using PowerBI.