

# DDR13 Curriculum

## WEEK 1 - Welcome to MathCo

- Personality Identification
- Demystifying Analytics
- Intro to Analytics Lifecycle
- Excel

## WEEK 3 – Understanding the problem

- Problem definition
- Basic statistics
- Intro to Agile

## WEEK 5 – Co.dx & Manipulating Data

- Co.dx Discover & Widget Factory

## WEEK 7 - Manipulating Data

- Python
- GIT
- Software Engg Best Practices
- Creating User Personas & User Flows
- PowerBi

## WEEK 9 - Machine Learning

- Modelling Process
- ML Landscape
- Linear Regression
- Logistic Regression
- Clustering

## WEEK 11 – Break week

## WEEK 13 – Presenting Your Work

- Intro to Product Development
- Intro to Big Data
- Intro to Cloud

## WEEK 2 – Analytics Landscape

- Business Communication & Email
- Demystifying Analytics + Analytics 101 quiz
- Portfolio Allocation
- Client Empathy + Design thinking module
- Thought Process

## WEEK 4 - Data Extraction Manipulation

- SQL
- Storyboarding Basics
- Excel Test

## WEEK 6 – Business Understanding

- Review-I

## WEEK 8 – Data Visualization

- EDA
- Unconventional Solutioning
- Data Modelling & Warehouse
- Data Pipeline & Orchestration
- Co.dx Assist\*Pipeline + Widget+Execute

## WEEK 10 – Catch-up

- Storyboarding & Deck Making
- Python and SQL Evaluation
- Co.dx Assist 1 & 2

## WEEK 12 – Solution Approach

- Review II

## WEEK 14 – Engineering Review

**WEEK 15-** Prep Week

**WEEK 17 –** Prep Week

**WEEK 19 -** Product Development  
(optional)

- Product Design
- Front End
- Back End
- QA
- DevOps
- Airflow

**WEEK 16 –** Prep Week

**WEEK 18-** Review 3

**WEEK 20 –** Full Stack

- Spark Framework
- 101 with Freshers & Allocation