

DECI Level 2

## In-Person Session 2

## Data Science “Business”

## Learning Objectives

1. Prepare data (Data Wrangling) for insights
2. Analyze data for the insights
3. Make a decision based on the insights

## Session Structure

**1. Check your knowledge (Quizizz)** ***(30 min)***

1. **Click on “Start a live quiz” then “Instructor paced”**
2. **Data Science Quiz**
   1. Quiz Link: [here](https://quizizz.com/admin/quiz/5fd274f64b2a48001ce3f3f6/data-science?source=MainHeader&page=FeaturedPage&searchLocale=&fromSearch=true)
3. **Students are split into teams of 2 (maximum 3) based on their scores in check your knowledge**

**2. Group Activity 1: The CEO Decision *(80 min)***

1. Sales report is handed to the teams: [Salses Report - Student version](https://docs.google.com/spreadsheets/d/1YUdXfNPpDUK5PPIG6jXitid9FjDNKYeFxQ5WVt4mNb8/edit?usp=sharing) [Sales Report - instructor version](https://docs.google.com/spreadsheets/d/1WxsGb-zXXE97VPtM36Vu0Hi7WFVEsMpmmDyFJgBpRQk/edit?usp=sharing)
2. Teams are asked to make data wrangling and preparation
3. Teams are asked to at least answer 5 questions :

* Who is the best sales “Profits”
* Who is the best sales “Number of units”
* Top Region in Sales (“1-East —--- 2-Central —---- 3-West”)
* Top Item in sales
* Who are we gonna fire (Low performance)
* Bonus question, Projections of sales in next month (Items, Region, Rep)

1. Teams are asked to present their data with Figures in slides
2. Teams are asked to list their decisions regarding the above questions
3. Teams will vote for the best decisions and the CEO

**3. Break *(15 - 25 minutes)***

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**4. Group Activity 2: presentation *(40 min)***

1. Teams will prepare a presentation as Decisions in case u brace the next CEO of the company .. Put as many data and insights as you can
2. Election is done by:
3. 1- Professionalism of the presentation
4. 2- Data Backed decisions
5. 3- Correctness of data
6. 4- Appeal of the decisions to the company performance

**5. Wrap Up! *(15 - 25 minutes)***

Students reflect on the session, what they learned and what they still need to learn.

<https://docs.google.com/spreadsheets/d/12yyjB5QbsURevTyyApKfwFlCEQxPIh6L81zeGGXg6DI/edit?usp=sharing> Attendace link (after login) <https://mentor-dashboard.udacity.com/connect>

مساء الخير، محاضرات اعداد المستوى الأول والمستوى الثاني للمحاضرين "مسجلة" بعد قليل يجب على المحاضر الذي اسند اليه جداول احتياطي ان يقوم بتجهيز المستوى الأول والمستوى الثاني تحسبا لأي ظرف طارئ. محاضرة اعداد المستوى الاول

Level 1 Session 3 Recording <https://udacity.zoom.us/rec/share/_QErQ5XssRbD1eHViDhMQwbnH3e2u7YzebKTXRqGn4PzNSQbfEB3bqaB_V-VPMHR.bbVzY6koP5ODXCUE> Passcode: LC&#4p7Z

Level 1 Session 3 Material <https://drive.google.com/drive/folders/1kHCiKngZCYE2PZHRzBKlfDiZknjhBvoc>

محاضرة اعداد المستوى الثاني

Level 2 Session 3 Material <https://drive.google.com/drive/folders/1OZ4XRVIBkaKmoCozp1bOVeKDsn7eGJI8>

Level 2 Session 3 Recording <https://udacity.zoom.us/rec/share/q_6VJQ_-pGj7xnYgZiSD6KariX37gEfBE4BU71XlhUeSqjVjK5zfAAMF1VwKG-c.PSjxbIpGMEeuflxP> Passcode: q=G3S\*ax

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