

# Mohammed Hamdy

DATA ANALYST

Cairo, Egypt

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*Detail-oriented Data Analyst with 5+ years of experience in Scientific Research and strong technical skills of data processing, and data visualization.*

## Experience

### Research Lab Manager

NATURAL WELLNESS GROUP

- Creating study protocols and study plans.
- Ensuring studies milestones are reached on schedule.
- Writing and delivery of the final analysis report.

Nasr City

January 2019 - February 2020

### Senior Researcher

NATURAL WELLNESS GROUP

- Writing and reviewing Standard Operating Procedures (SOPs).
- Analyzing and reviewing collected data, and writing analysis reports.
- Guiding and training new executive researchers.

Nasr City

May 2016 - January 2019

### Executive Researcher

NATURAL WELLNESS GROUP

- Preparation of test chemicals.
- Performing various neurological and behavioral tests.
- Data collection from test animals, and properly storing and processing this data.

Nasr City

July 2014 - May 2016

### R&D Chemist

EGYPTIAN MATCH COMPANY

- Supervising the preparation of the main product.
- Testing different binders for the match head ingredients.
- Daily testing of striking and ignition performance of the match head.

10th of Ramadan City

February 2012 - December 2013

## Education

### Cloud Based Data Science

JOHNS HOPKINS BLOOMBERG SCHOOL OF PUBLIC HEALTH

Online

2020 - 2021

### Data Analyst Nanodegree

UDACITY

Online

2020 - 2020

### Bachelor of Science

AIN SHAMS UNIVERSITY

Cairo

2007 - 2011

## Skills

### Programming Languages

- Python : Data processing with numpy and pandas; Data visualization with matplotlib and seaborn; Modeling with statsmodels and scikit-learn
- R : Data processing with dplyr and Tidyverse tools; Data visualization with ggplot2; Modeling with caret
- SQL : Good command of RDBMS such as PostgreSQL, MySQL, and SQLite

### Software

- SPSS, Tableau, Excel

### Version Control

- Git

## Projects

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### Communicating data findings from the analysis of Prosper's Loan data

PYTHON (NUMPY, PANDAS, MATPLOTLIB, SEABORN)

### Wrangling, analyzing, and visualizing a tweet archive from Twitter

PYTHON (NUMPY, PANDAS, MATPLOTLIB, SEABORN, REQUESTS, BEAUTIFULSOUP, TWEETPY, JSON, SQLALCHEMY)

### Analyzing A/B Test Results for an e-commerce website

PYTHON (NUMPY, PANDAS, STATSMODELS, MATPLOTLIB)

### Investigating 10,000 movies collected from The Movie Database (TMDb)

PYTHON (NUMPY, PANDAS, MATPLOTLIB, SEABORN)

### Exploring Weather Trends In Cairo

R (DPLYR, GGLOT2, TIDYR, READR, ZOO)

## Training

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### Modeling with Data in the Tidyverse

DATA CAMP

June 2021

### Introduction to Machine Learning

DUKE UNIVERSITY VIA COURSERA

May 2021

### Time series with R

DATA CAMP

April 2021

### Data Analysis Track

MILLION ARAB CODERS

May 2020

### SQL Fundamentals course

SOLOLEARN

March 2020

### Project Management Professional (PMP) Course

AMERICAN CHAMBER IN EGYPT

August 2017

### Upgrading Research in Biostatistics and Toxicological Studies

NATIONAL RESEARCH CENTRE

July 2015

## Languages

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### English

FULL PROFESSIONAL PROFICIENCY

### Arabic

NATIVE PROFICIENCY