



مؤسسة دبي للمستقبل  
DUBAI FUTURE FOUNDATION

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# Business Intelligence Case Study

Jun 2022

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DUBAIFUTURE.AE



# DUBAI FUTURE FOUNDATION

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His Highness Sheikh Mohammed Bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, said that shaping the future and making it is no longer a theoretical concept but a key factor for countries to achieve competitiveness in the global arena.

“The future is not built on possibilities and numbers but on clarity of vision, planning, action and implementation,” His Highness stated.

Dubai Future Foundation was launched to play a pivotal role in shaping the future of Dubai along side all its partners.

Our Vision is to make Dubai a leading city of the future.

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# CASE STUDY

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Your ask is to develop a regression model to predict “TOTAL COST TO HOSPITAL”

- Data Description is available in “Hospital - Data Description” file
- Data is accessible in “Hospital – Data” file

Please present the following in power point slides:

- 1. Descriptive Analytics / Exploratory Data Analysis (with insights and/or findings)
  - 2. Data Pre-processing
  - 3. Modelling
  - 4. Model performance
  - 5. Source code with comments
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# PRESENTATION

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Your presentation should include but not limited to the following:

- Explain the solutions selection and add how you would go about implementing it.
- Highlight any challenges you expect to face, detail how your plan to get buy in from key stakeholders, possible timelines, and what support you would need to make this happen.
- Feel free to challenge us and think creatively.
- Remember, we support and appreciate out-of-the-box thinking.
- Other details that you see necessary to present.
- Please use PowerPoint or a similar software
- Please limit your presentation to 15-20 slides



# ASSESSMENT CRITERIA

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In our view, quality presentation and strategic advice should display some essential features in order to reach their objective. A quality presentation should be:

## Fact based

It should use benchmarks related to the different concepts that are presented; best practice examples demonstrating the effectiveness of the strategies adopted by other entities or illustrating the organization modes adopted in either public or private sector entities. Case studies should be used to draw important conclusions, identify key success factors or pitfalls to avoid. Conclusions should be backed up by logic and flawless reasoning.

## Data driven

It should formulate analysis based on data gathered from credible sources, primary research or expert's opinion. The quality of a recommendation is as good as the quality of the data supporting it.

## Action oriented

It should formulate very specific initiatives and projects that call for action. The recommendations are entrenched in reality and should take into account the implementation constraints to make them applicable. Prioritizing and focusing on effective activities is key to the success of the recommendations.

## Professionally presented

The presentation should reflect the content and be on par with the highest standards of the best professional services firms, in particular candidates are expected to express their idea (both orally and in written form) using the most precise language. Special attention is paid to the documents overall structure and the flow of ideas between the different slides and sections.

## Unique insight

We welcome additional perspectives that enrich the case study. We look for candidates that are able not only to deliver a deeper but also to bring a different perspective on areas that have been overlooked, ensuring the study is comprehensive.