**Patient Survival Prediction: Presentation Outline**

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|  |  |  | **Team Member Responsible** | |
| **Rubric Deliverable** | **Corresponding Slide(s) Number** | **Slide Content** | **Create** | **Present** |
| Introduction of team members | 1 | Images |  |  |
| Selected topic | 2 | Text  Images |  |  |
| Reason why they selected their topic | 3 | Text  Images |  |  |
| Description of their source of data | 4 | Text  Images |  |  |
| Questions they hope to answer with the data | 5 | Text |  |  |
| Description of the data exploration phase of the project | 6  7, 8, 9, 10 (diagrams) | Text  Images |  |  |
| Description of the analysis phase of the project | 11 | Text |  |  |
| Technologies, languages, tools, and algorithms used throughout the project | 12 | Text  Images |  |  |
| Results of the analysis | 13, 14 | Images |  |  |
| Recommendation for future analysis | 15 | Text |  |  |
| Anything the team would have done differently | 16 | Text |  |  |

**Additional notes from the fourth segment rubric:**

##### **Slides**

Presentations are finalized in Google Slides and should include:

* Slides are primarily images or graphics (rather than primarily text).
* Images are clear, in high-definition, and directly illustrative of subject matter.

##### **Live Presentation**

The team members deliver the presentation in equal proportions. The live presentation should include the following:

* Demonstrates the interactivity of the dashboard in real time
* Adheres to the time limits provided by instructor
* Includes speaker notes, flashcards, or a video of the presentation rehearsal

**SURVIVAL PREDICTION RESEARCH REFERENCES**

# APACHE II: a severity of disease classification system

<https://www.researchgate.net/publication/19234189_APACHE_II_a_severity_of_disease_classification_system>

1. Mortality Prediction Using Acute Physiology and Chronic Health Evaluation II and Acute Physiology and Chronic Health Evaluation IV Scoring Systems: Is There a Difference?

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5971641/>

# Comparison of the mortality prediction of different ICU scoring systems (APACHE II and III, SAPS II, and SOFA) in a single-center ICU subpopulation with acute respiratory distress syndrome

<https://www.sciencedirect.com/science/article/pii/S042276381530025X>

1. The comparison of apache II and apache IV score to predict mortality in intensive care unit in a tertiary care hospital

<https://www.msjonline.org/index.php/ijrms/article/view/6088/4684>

# Evaluation of mortality prediction using SOFA and APACHE IV tools in trauma and non-trauma patients admitted to the ICU

<https://eurjmedres.biomedcentral.com/articles/10.1186/s40001-022-00822-9#Tab1>

1. A study on the efficacy of APACHE-IV for predicting mortality and length of stay in an intensive care unit in Iran

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5710303/>

# Validation of the APACHE IV model and its comparison with the APACHE II, SAPS 3, and Korean SAPS 3 models for the prediction of hospital mortality in a Korean surgical intensive care unit

<https://www.semanticscholar.org/paper/Validation-of-the-APACHE-IV-model-and-its-with-the-Lee-Shon/992db36eded98951f6d39d9915ec0b20aa3d7dd1>

1. Acute Physiology and Chronic Health Evaluation (APACHE) IV: Hospital mortality assessment for today’s critically ill patients\*

<http://www.jvsmedicscorner.com/ICU-Miscellaneous_files/APACHE%20IV.pdf>