

Project name Organ failure following cardiac surgery – the use of AI for prediction modelling

Project owner _____

<div><div>Purpose</div><div>What is the intent of this project? Why are we doing this project?</div><div></div><div><p>This project aims to see if AI can be used make models that are more precise than humans when it comes to predicting and detecting complications in patients before surgery</p></div></div>	<div><div>Scope</div><div>What does this project contain? What does this project not contain?</div><div></div><div><p>To create an AI model that classifies and predicts the risk of complications after a patient has undergone cardiac surgery. This project will not contain medical theory as to WHY the risk may be.</p></div></div>	<div><div>Success Criteria</div><div>What do we need to achieve in order for the project to be successful? How can the Success Criteria be measured?</div><div></div><div><p>We need to either achieve a successful model or a be able to conclude that there are no direct correlation features from data set and a chosen target variable. The success of our model can be measured by the use of statistical evaluations.</p></div></div>
<div><div>Milestones</div><div>When will we start the project and when is the final deadline ? What are the key milestones and when will they occur? How can the milestones be measured?</div><div></div><div><p>We formed a group.</p></div><div><div>Actions</div><div>Which activities need to be executed in order to reach a certain milestone?</div><div></div><div><p>Got to know each other.</p><p>Set up plans for future meetings and how we should tackle this project.</p><p>Came up with questions for the supervisor.</p><p>Made this canvas.</p></div><div><div>Outcome</div><div>What is the end result?</div><div></div><div><p>- A book - A website - An event</p></div></div></div></div>		
<div><div>Team</div><div>Who are the team members? What are their roles in the project?</div><div></div><div><p>The team members consist of us students from DTU taking the 02466 course.</p></div></div>	<div><div>Stakeholders</div><div>Who has an interest in the success of the project? In what way are they involved in the project?</div><div></div><div><p>Doctors are especially interested, since it will yield a stronger clinical guidance for them. These doctors are the ones providing the data. Moreover, us students will also gain experience and more knowledge.</p></div></div>	<div><div>Users</div><div>Who will benefit from the outcome of the project?</div><div></div><div><p>Both us, as we learn a lot from working with the problems within the project. Moreover, patients and doctors will eventually benefit from these results as well.</p></div></div>
<div><div>Resources</div><div>What resources do we need in the project? - Physical (office, building, server) - Financial (money) - Human (time, knowledge)</div><div></div><div><p>This project requires a lot of human time as well knowledge, work power and money; this is for both data gathering but also data analysis and development of AI models. Also, a study environment is needed (so our campus).</p></div></div>	<div><div>Constraints</div><div>What are the known limitations of the project? - Physical (office, building, server) - Financial (money) - Human (time, knowledge, politics)</div><div></div><div><p>All members are studying AI, hence, there is a lack of medical knowledge</p></div></div>	<div><div>Risks</div><div>Which risks may occur during the project? How do we treat these risks?</div><div></div><div><p>Risks for us will include possible misclassifications or how well the AI models will fit to our given data.</p></div></div>