Table of Contents

[1. Introduction 1](#_Toc85994703)

[1.1. Objectives 1](#_Toc85994704)

[1.2. Methodology and Structure 1](#_Toc85994705)

[1.3. Scope of the project 1](#_Toc85994706)

[2. Background 2](#_Toc85994707)

[2.1. Background 2](#_Toc85994708)

[2.1.1. General Anaesthesia 2](#_Toc85994709)

[2.1.1.1. Anaesthetics 2](#_Toc85994710)

[2.1.1.2. States of anaesthesia 2](#_Toc85994711)

[2.1.2. Anaesthesia monitoring 2](#_Toc85994712)

[2.1.3. Prediction modelling 2](#_Toc85994713)

[2.2. Situation 2](#_Toc85994714)

[2.2.1. State of the art 2](#_Toc85994715)

[2.2.2. Sources 2](#_Toc85994716)

[3. Solution implementation 3](#_Toc85994717)

[3.1. Concept engineering 3](#_Toc85994718)

[3.1.1. Different solutions 3](#_Toc85994719)

[3.1.2. Proposed Solution 3](#_Toc85994720)

[3.2. Detail engineering 3](#_Toc85994721)

[3.2.1. Data processing 3](#_Toc85994722)

[3.2.2. Exploratory analysis 3](#_Toc85994723)

[3.2.3. Model training 3](#_Toc85994724)

[3.2.4. Model Validation 3](#_Toc85994725)

[4. Technical and Economic viability 3](#_Toc85994726)

[5. Chronogram and execution 3](#_Toc85994727)

[6. Results 3](#_Toc85994728)

[7. Discussion and Future Prospects 3](#_Toc85994729)

# Introduction

# Objectives

# Methodology and Structure

# Scope of the project

# Background

# Background

# General Anaesthesia

# Anaesthetics

# States of anaesthesia

# Anaesthesia monitoring

# Prediction modelling

# Situation

# State of the art

# Sources

# Solution implementation

# Concept engineering

# Different solutions

# Proposed Solution

# Detail engineering

# Data processing

# Exploratory analysis

# Model training

# Model Validation

# Technical and Economic viability

# Chronogram and execution

# Results

# Discussion and Future Prospects

Validació prospectiva d’un model de supervivència, que preten donar una probabilitat de que el pacient romangui conscient en funció de la dosi de propofol (Hipnotic) administrada.

Loss of consciousness refers to a **state in which an individual lacks normal awareness of self and the surrounding environment.** The patient is not responsive and will not react to any activity or stimulation. Syncope is the medical term for temporary loss of consciousness.