Internship Project at Innodatatics
Documentation

Project Name : Risk Modeling for Renal Kidney transplant Complications

Department : Life Science and Health Care

Focus Area : Survival Analysis

Product/ Process : Building ML model and Deploy on Streamlit

PROJECT EXECUTIVE SUMMARY

❖ Project goals

- To predict Graft Survival using various ML techniques,(like Random Survival Forest, Net Elastic COX and Standard COX) and compare the best one between them.

❖ Objectives

- Minimize the Renal Post-transplant Complications.

❖ Constraints

- Lack of availability of required data
- Lack of graft survival related research on required techniques
- Data is sensitive as it is Life science and health care domain
- To maximize the understanding of Renal post-transplant complications
- To understand the relationship between the process, practice, treatment, and follow-up stages associated with renal transplantation
- To study the compatibility analysis for donor-recipient pair
- To predict the renal graft survival and the survival time for given donor-recipient pair

❖ Scope

- This Scope of project includes: Research & Documentation on Problem statement, Data Collection / Data Extraction from Web, Data Cleaning, Building required ML Models and compare ML models for Best fit .

❖ Risks

- The risks of this model is totally limited to the data, since there are different aspects results in the graft failure

❖ Organization

- Innodatatics.Inc

Project Done By :
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