# Predicting Cancer Survival Abstract

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This project is involved with a challenge proposed by Owkin, a company that uses AI for biotech solutions. Our problem is that we are trying to predict survival times for patients with Non Small Cell Lung Cancer (NSCLS), which is the most common type of Lung Cancer, making up 80% of cases. Our goal is predicting survival times for these patients using clinical data and data read from a CT scan. This has a large impact because it can be used to determine the best type of treatment through patterns allowing medical personnel to predict treatment reactions. Better solutions to the treatment of Lung Cancer could lead to a higher quality of life for the patients as well as a longer life expectancy. This is challenging because we are unaware of any related work and do not possess any external knowledge about lung cancer or the models used to predict survival times. We are going to build a supervised learning model to predict survival times from our two datasets. To validate our success, we will compare our predicted survival times with the given output from the challenge write up.