

What opportunities exist for WHO health experts to reduce cancer patients 25% by the end of 2012 to spend 25% of their annual budget for increasing organ surgery or starting radiotherapy trials?

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## 1 Context

- World Health Organization(WHO) spends \$40B for Cancer and \$90B for AIDS treatment to sustain humanity.
- Cancer count increasing tremendously all over the world while AIDS starting to increase all over the world through blood transfusion.

## 2 Criteria for success

- Implementing an effective budget strategy to reduce cancer patient 25% by the end of 2012.

## 3 Scope of solution space

- Using Time Series modelling to find cancer patient's growth and prediction for each country.
- Using genomics to study normal and tumor cells behavior and introduce text mining to find varied gene sequence.
- Input the text mining data and vaccination data to ML model to predict human life sustain organ working percentage.

## 4 Constraints within solution space

- Expertise to handle missing data and feature modelling in time series and genomics.

## 5 Stakeholders to provide key insight

- Ministry of Health
- Government agencies

## 6 Key data sources

- Gap minder data(1990-2008)

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