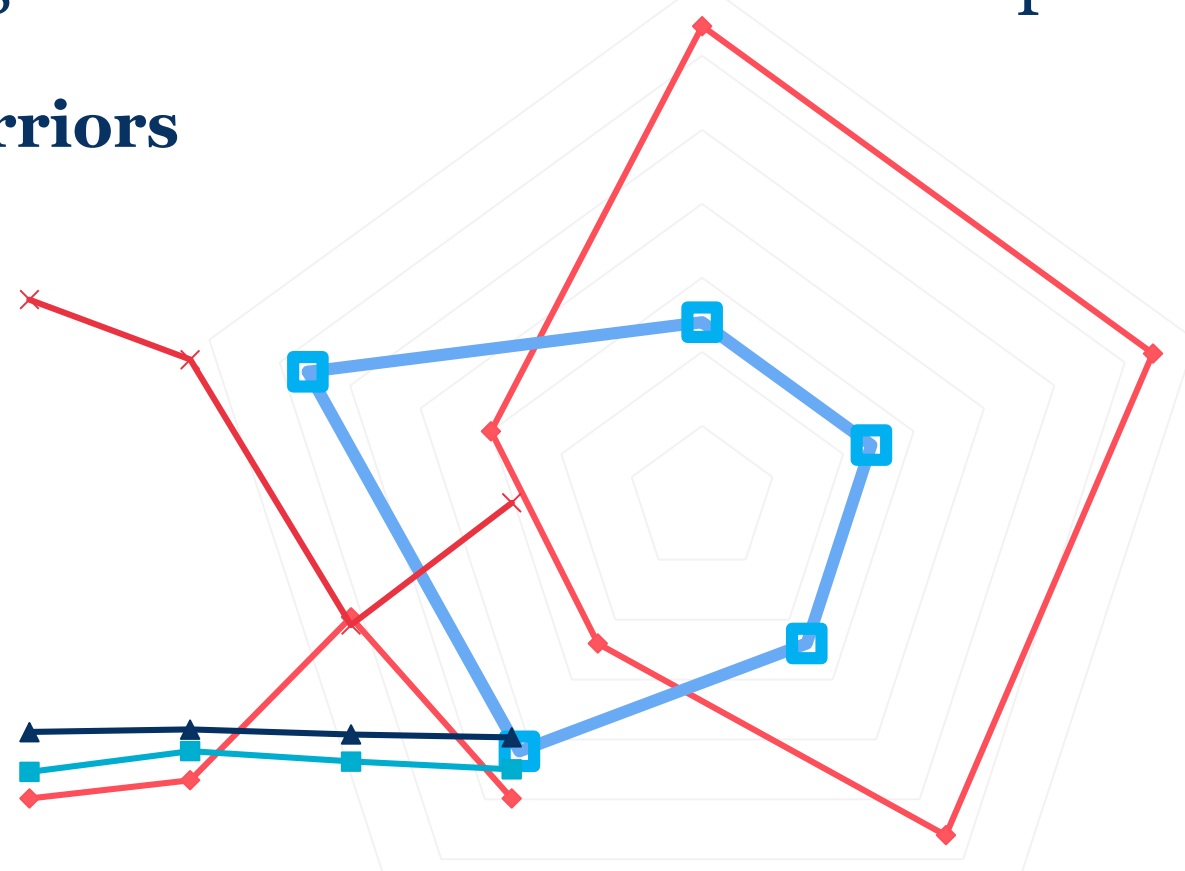


Individual Profiling and Risk Assessment Roadmap

Genpact Covid Warriors

*Reena Mahajan
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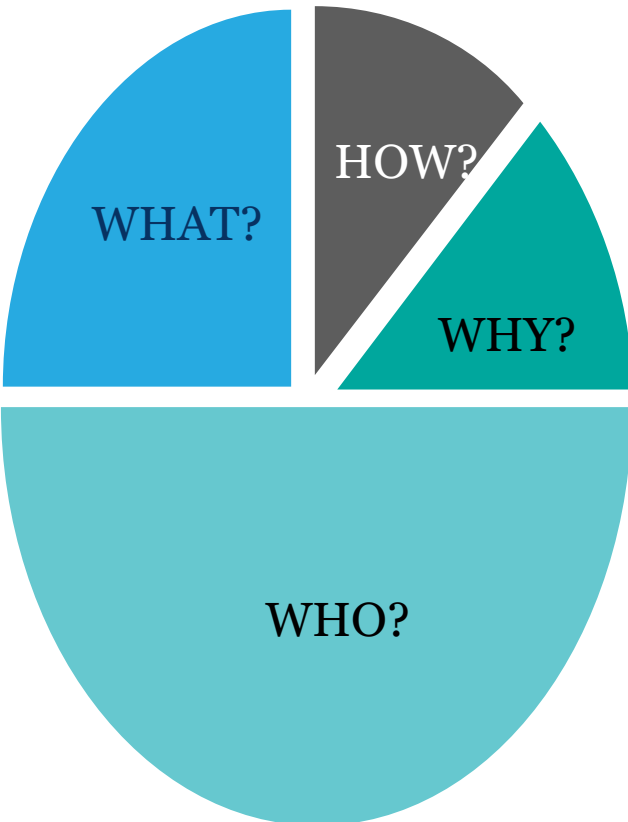
June, 2020



Problem Statement



*Our dashboard would target the covid-19 exposed population and guide them on measures to be taken as prevention from Covid.
It would generate an individual COVID Vulnerability score based on individual details and pre-existing medical conditions by analyzing overall data.*

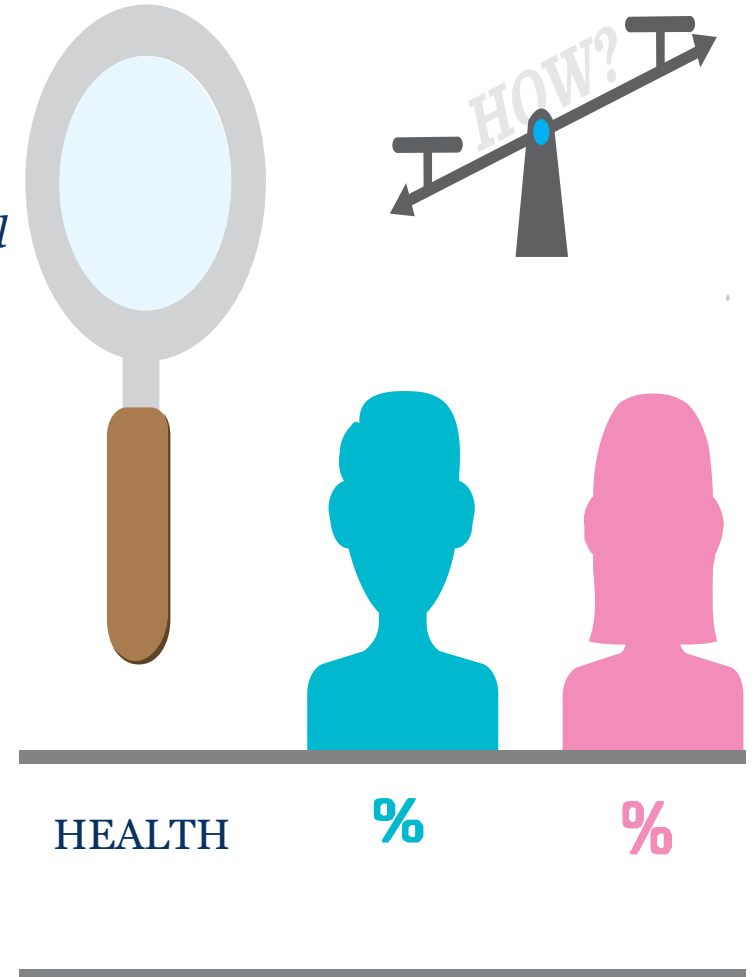


WHAT? What steps can be adopted to avoid the COVID?

HOW? How did an individual get infected and then recovered, was he/she accompanied by any other medical conditions?

WHY? There are many dashboards available targeting only Covid affected people but this dashboard will be giving the inferences about the unaffected group as well

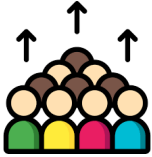
WHO? Do we know who is most affected Gender?
Are we aware of the most vulnerable Occupation?



Stakeholders



Methodology And Scope



Target Audience

Study will cover Indian population



Cluster profiling

Cluster Analysis on the population by analyzing their portfolio on different target attributes and explain the risks of each clusters



Location enabled study

Individuals can know their current situation and risk based on their location



Vulnerability Score Prediction

Indication to individual of their exposure to the disease (vulnerability) based on demographic, geographic and socio-economic factors

Solution Development Approach



Provide covid facts and figures to the common people along with **Measures** and **Vulnerability Score**



Design Survey Format and rollout to random people to get individual details. Combine with government released data



Transform survey result into tabular format with R/Python

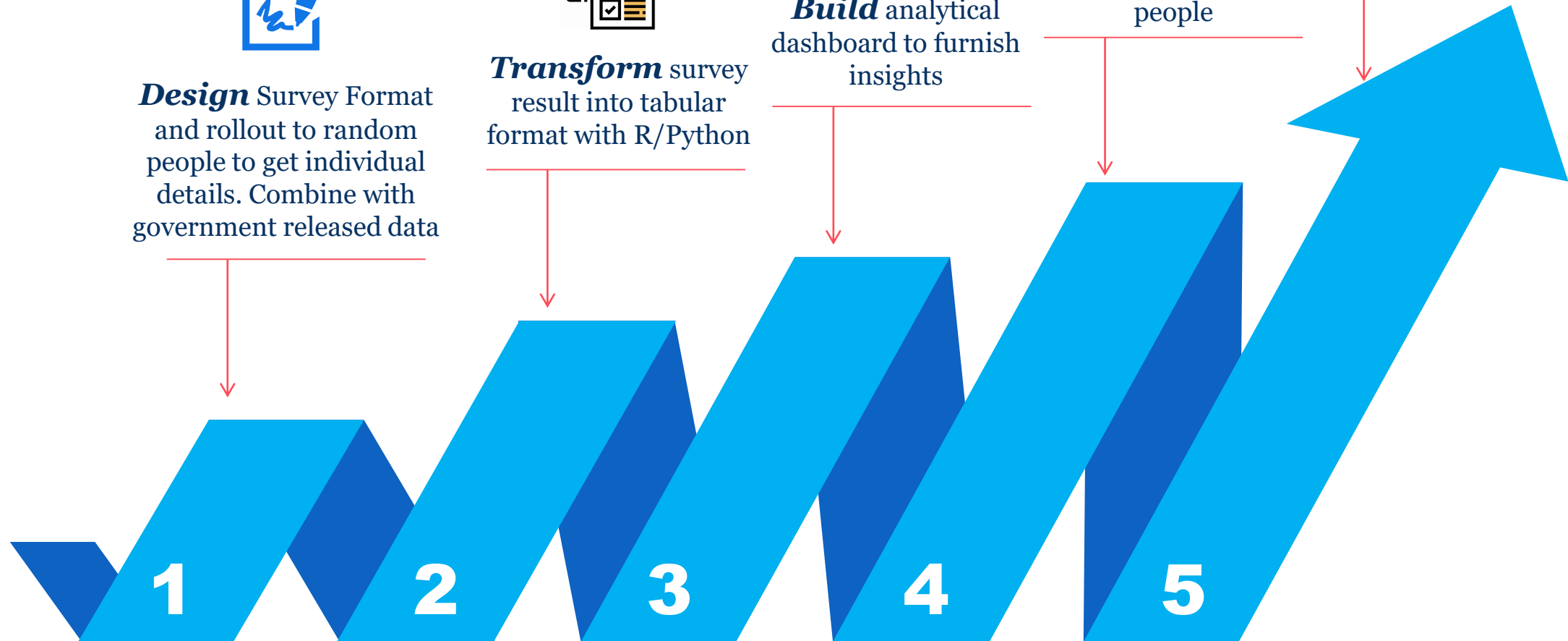


Build analytical dashboard to furnish insights



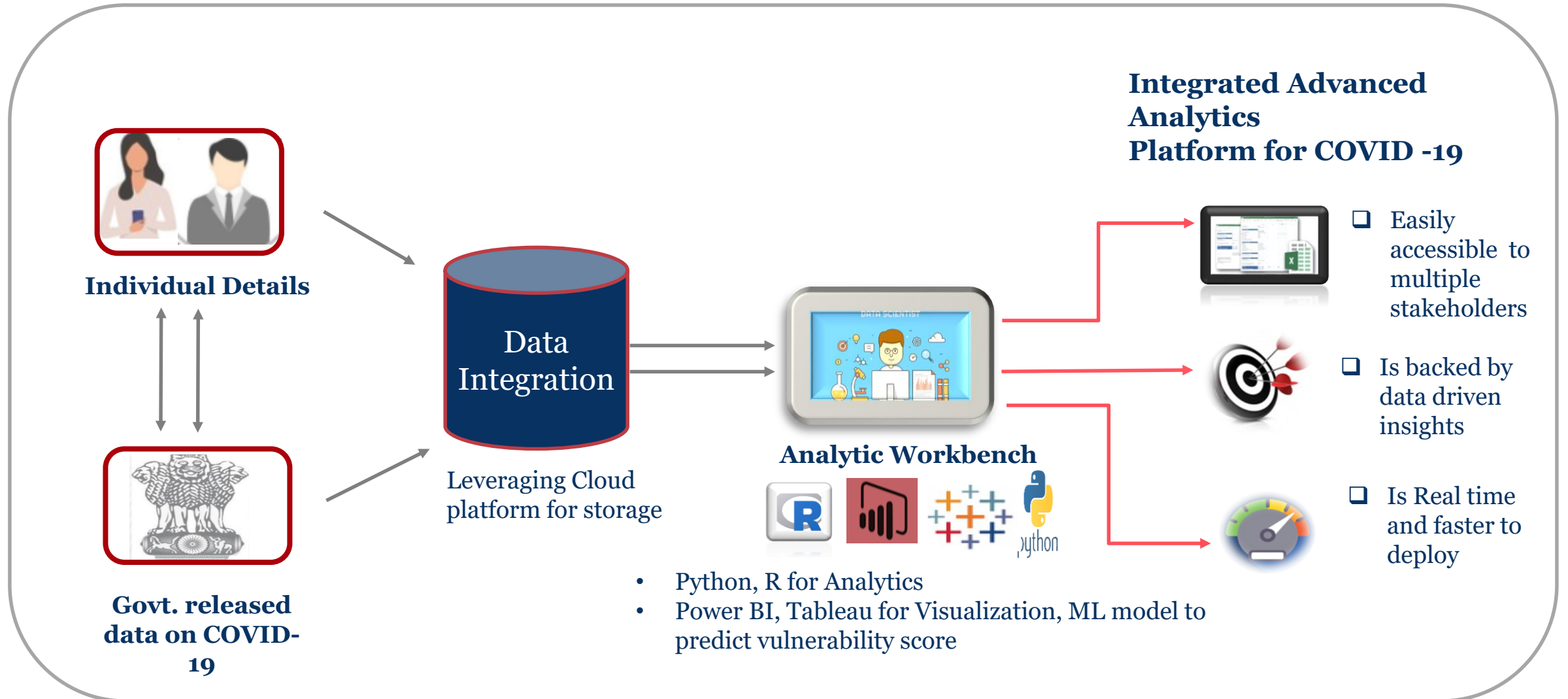
Draw inferences to help respondent to take learning from affected people

Develop Machine Learning model to predict vulnerability score



Individual Profiling and Risk Assessment framework

Solution design: An Integrated analytics Platform for COVID-19 exposed population that will utilize powerful analytics and visualization dashboards for real time decision making



Thank You

Genpact Covid Warriors

