

## The Tableau Healthcare Show

Your Third Thursday Skill Pill

Skill Pill 10

Use Data and Predictive Analysis to Drive Optimal Health



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## Derek Cyr

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# For Healthcare Providers, Payers, Pharmaceuticals, Medtech, Life Sciences, Admins and Data fans

Information, News and Info Applicable to the Healthcare Analytics Community

Tableau has a dedicated Healthcare Team for Payers and Providers and a dedicated Life Sciences team for Pharma, Bio-tech and MedTech.

- Tableau works with 20 out of 20 of the Top Hospitals (US News & World Report)
- Tableau works with all major Payers
- Tableau works with over 2,200 healthcare organizations in the USA
- Tableau works with 10 out of 10 of the Top Pharmaceutical organizations

#### Feedback, questions, comments

#### Email us!





Questions? Let us know in the Q&A pane!

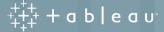
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We are listening and want your input!



## Agenda

- Our Guests Today
- Use Data and Predictive Analysis to Drive Optimal Health
  - Extending Analytics to your Members and Patients
  - Integrating descriptive, predictive and prescriptive analytics into Tableau with Einstein Analytics
  - Building and Customizing a Campaign with Tableau
  - Using Extensions to integrate your Campaign with your CRM
- Q&A



#### **Amir Meimand**



Principal Solution Engineer

Machine Learning and Predictive Analytics

San Jose, CA

#### Takashi Binns



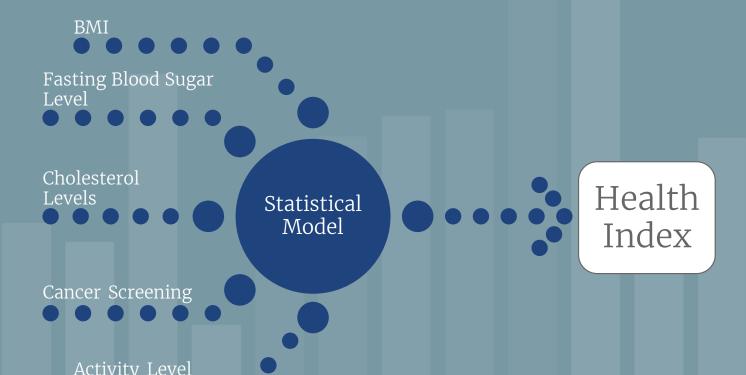
Lead Solution Engineer Embedded Healthcare Specialist Hoboken, NJ

## Today's Presenters



#### What is a Health Index?

 A composite index tied to a member representing a broad array of individual health data points.

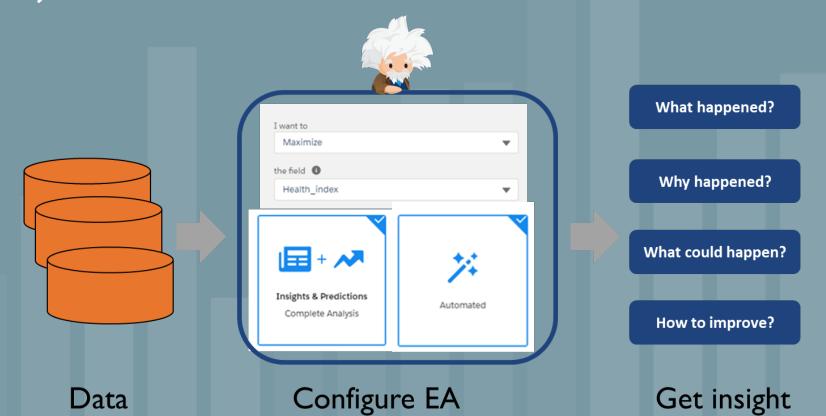


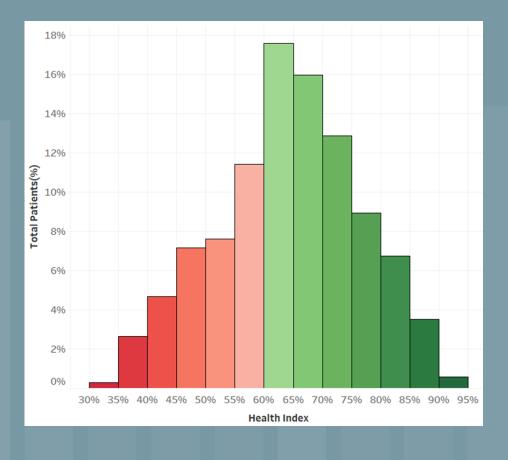
The Health index may have a score from 0 to 100 with associated actions as the following example explains:

Health Index	Description	Action
75 - 100	Low risk	Let your PCP know about your results and keep it up
50 - 75	Mild Risk	Talk to your PCP at your next visit and discuss your results
25 - 50	Moderate Risk	Schedule a visit with your PCP immediately to discuss your results
0 - 25	High Risk	Seek emergency or urgent care

How do I use a Health Index to reduce risk?

- 1) Create a model
- 2) Scale the model
- 3) Make the results actionable







What else can I do with the results?

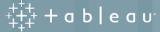
- Make the member part of the care or wellness team by sharing the data with them
  - Guide them on understanding what their index means and why it is what it is
  - Show them what they can do to improve the outcome
  - List the benefits they would see from having better health metrics

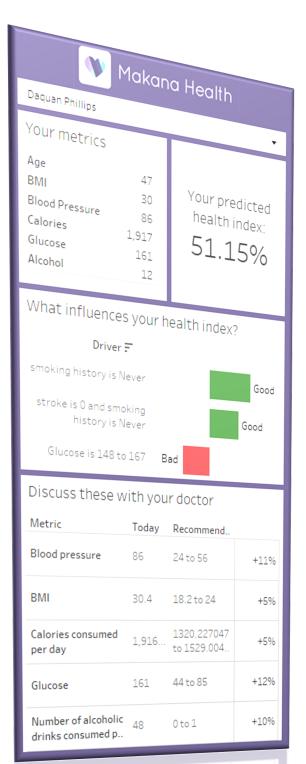
• As an organization, you will be able to target relevant articles and improvement tips to increase the health (thus lowering the risk) of your Patient and member populations.

What else can I do with the Results?

 Campaigns can be targeted and optimized to deliver maximum return. Campaign results can be measured to understand what is effective and what is not. Cohorts can be measured by segment, plan and clinical traits.

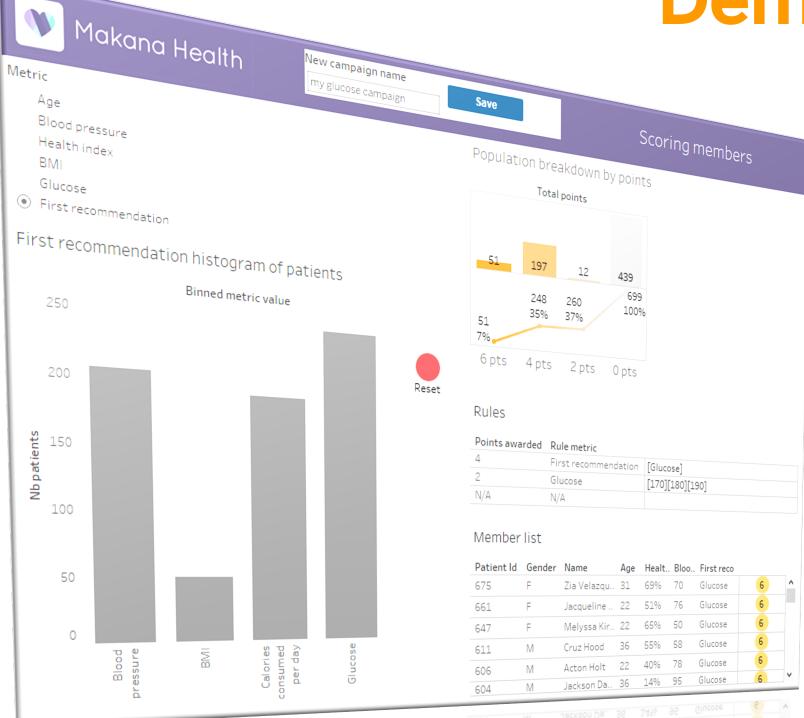
 Index and component measure results can be tracked over time and tied to things like compensation to keep member health at the highest priority.





Number of alcoholic drinks consumed p...

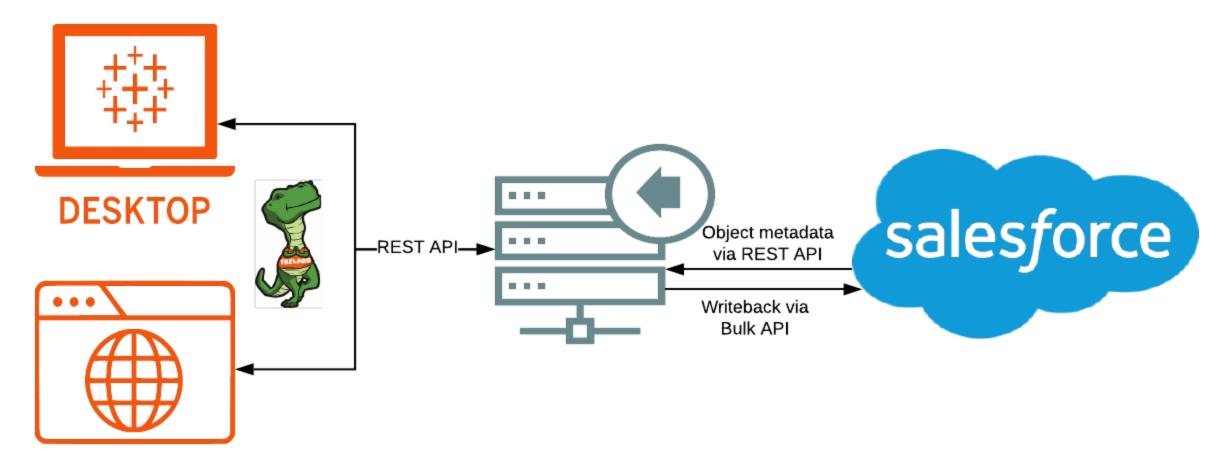
#### Demo







## Architecture – Tableau Extension to write back to Salesforce



#### **Tableau Extension**

Collects data from the Tableau workbook, and send it via REST API

#### **Extension Web App**

Securely recieves data via REST API, and uploads to Salesforce

#### Salesforce Connected App

In order to authenticate the web app, a connected app is defined within Salesforce

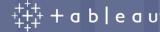
### Conclusions and Final Thoughts

A Health Index is a way to help Patients take a more active role in their health thus reducing risk in a population.

Augmenting it with descriptive and prescriptive analytics helps make it more actionable.

Wrapping it with campaigns can help target specific subpopulations with ways to improve their health that are customized to the Patient.





## Learning Resources

#### TabPy resources

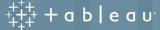
- Tableau Prep integration with Python
- Python in Tableau Prep: Simple useful scripts
- Tableau Sci-Fic: Tableau + Data Science

#### Salesforce and Einstein Analytics Resources

- Tableau Extension to write your campaign to Salesforce
- Learn more about Einstein Analytics

#### Health Index resources

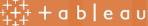
- WellPoint Member Health Index
- UHG Rally Health platform



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We are listening and want your input!





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