

# Beyond the Data Science Bubble

## Data Analytics Seminar

Wednesday 11 October 2017  
Actuaries Institute • Sydney



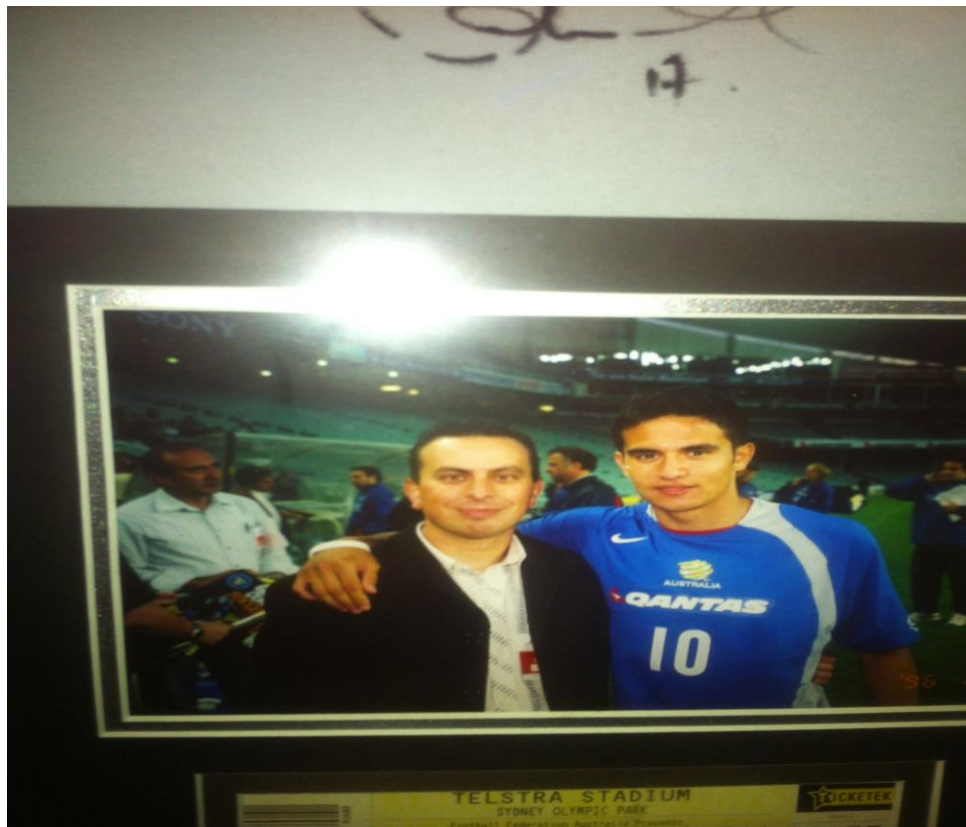


# Beyond the Data Science Bubble

Data Analytics  
Seminar



Wednesday 11 October 2017 • Actuaries Institute • Sydney





Beyond the Data  
Science Bubble

Data Analytics  
Seminar 

Wednesday 11 October 2017 • Actuaries Institute • Sydney

# Real Business Problems – Delivering the Value

Peter Tilocca  
Chief Underwriter  
ANZ Wealth



# What do we mean by Underwriting Innovation?

Reactive, based on client input



Predictive, based on  
available client data

Poor client experience requiring  
significant effort from the client

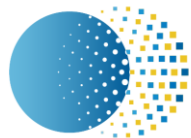


Simple, easy and  
convenient client experience  
with results a click away

All clients assessed for all risks



Evidence based analysis to  
test specific groups for  
specific risks



# Beyond the Data Science Bubble

Data Analytics  
Seminar



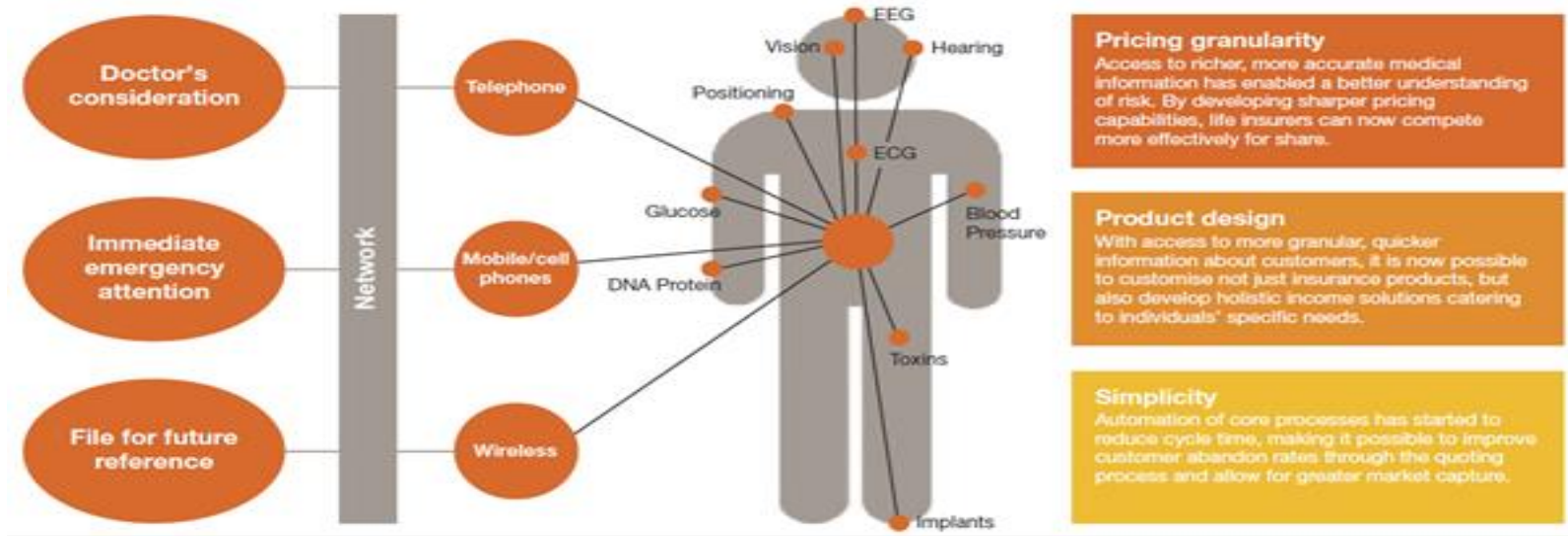
Wednesday 11 October 2017 • Actuaries Institute • Sydney



**Moneyball (Breaking Biases)\_cropped.mp4**



# Future State ?





# Nugget ?

<b>BMI</b>	<b>Proportion</b>	<b>Claim Rate</b>
to 20	4.30	6.10
>20-21	4.07	8.21
>21-22	5.30	8.51
>22-23	7.45	10.24
>23-24	9.24	10.17
>24-25	10.99	11.11
>25-26	10.51	11.05
>26-27	10.24	11.43
>27-28	8.61	12.19
>28-29	7.07	11.80
>29-30	6.33	12.15
>30	15.57	10.78



## Learnings

- What is the problem you're trying to solve?
- Prioritise your data / capture / clean
- Produce ongoing results
- Communicate