



Realising New Opportunities in Insights Driven Regulation

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WORKSAFE

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WorkSafe New Zealand

**Tōia mai e te ao mārama
te ara whakakotahi
te ara ka haumarū.
I a mātou i te mahi
tiakina mai
kia hoki hauora ki te kainga,
kia kōrero mai
mō te haumarū o te tāngata
Haumi e, hui e, taiki e.**

*The world of light brings forth
a pathway of togetherness
a pathway that keeps us safe.
While we are at work
take care of us
that we may return home safe and well,
that we may ensure
the safety of the people.
Let it be affirmed, it is so.*



Introduction

- 1. The vision and the journey**
- 2. Lessons learned**
- 3. The future**

The vision and the journey

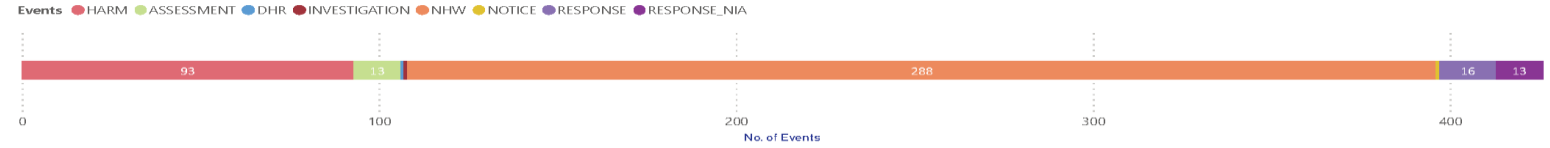
Come for the data analytics, stay for the insights!



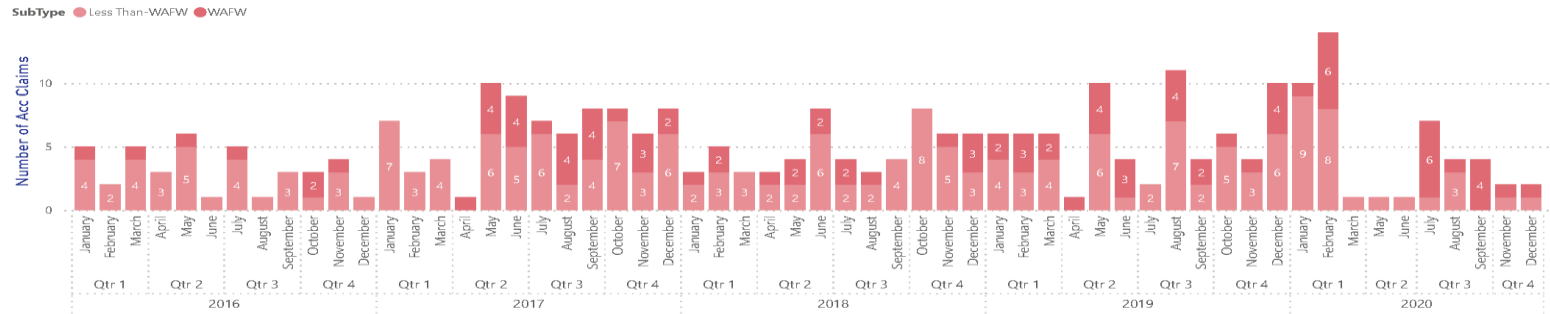
The solution

All Events Explorer

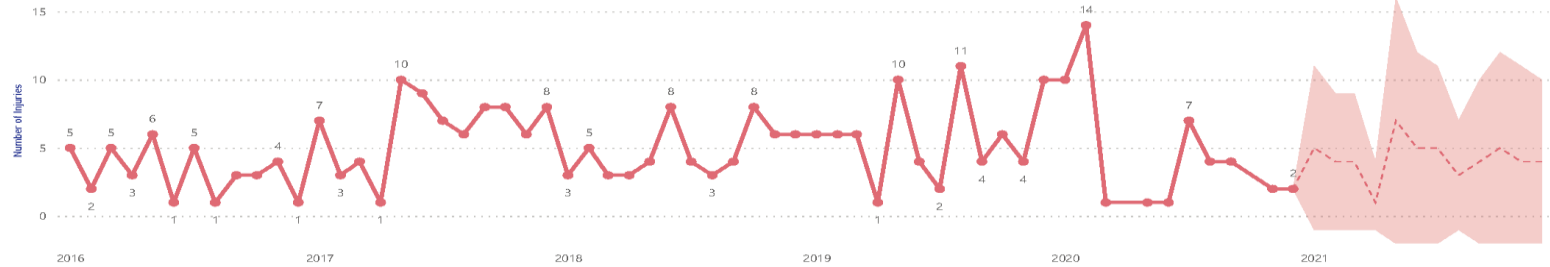
Distribution by Number of Events



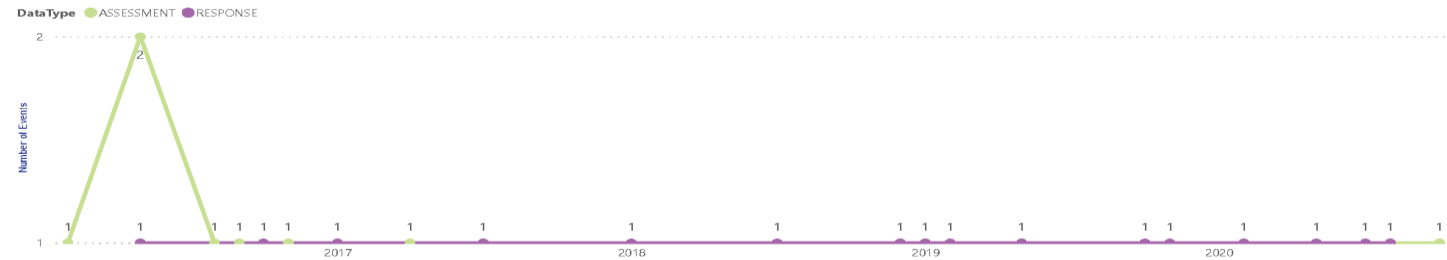
No. of Acc Claims by Month and SubType (Filtered 2019-20)



Forecast Trend of Injuries



Time Series view of Events



The solution

Insights Prepared by Regulatory Intelligence - Advanced Analytics & AI - Ganesh Selvaraj & Dhavnes Kanakaraj.

2016 - 2020

Total Injuries
122

WAFW Injuries
50

Less than WAFW Injuries
72

Fatal Injuries
0

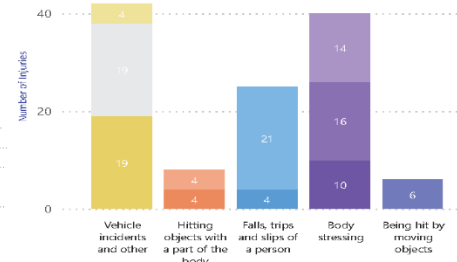
→ CRM V3: Company Risk Model Version 3
 → **Weak Away from Work (WAFW)**: It refers to injuries resulting in a week or more away from work
 → **Less than Weak Away from Work (Less than -WAFW)**: It refers to the injuries resulting in less than a week or no days away from work
 → **Harm**: It is the combination of Week away from Work (WAFW) and Fatality injury types
 → **ACC Claims/Injuries**: It refers to all types of injuries
 → **Hotspots Scale**
 (For Geo & Body maps): Low High

*Data and Insights presented here are not for information Release. It is meant to be used for Intelligence purposes only.

Injury Mechanisms (Major & Top10 Minor)

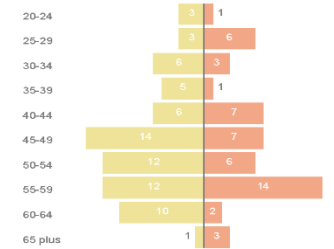
Minor Classification

- Being Hit by Moving Objects
- Fall from Height
- Falls on the Same Level
- Hitting Moving Objects
- Hitting Stationary Objects
- Muscular Stress While Handling...
- Muscular Stress While Lifting, C...
- Muscular Stress with no Object...
- Transport Incident
- Unspecified mechanisms of inc...
- Vehicle Incident



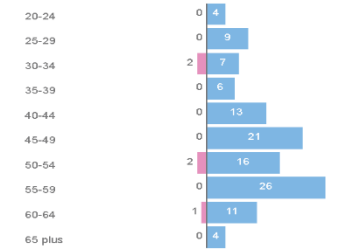
Injuries by Severity and Age group

Less Than-WAFW WAFW



Injuries by Gender and Age group

F M



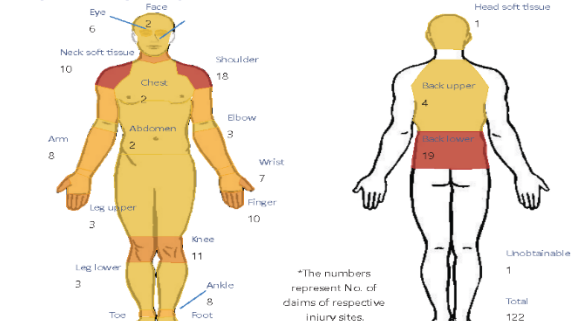
Description Word Cloud (Experimental)



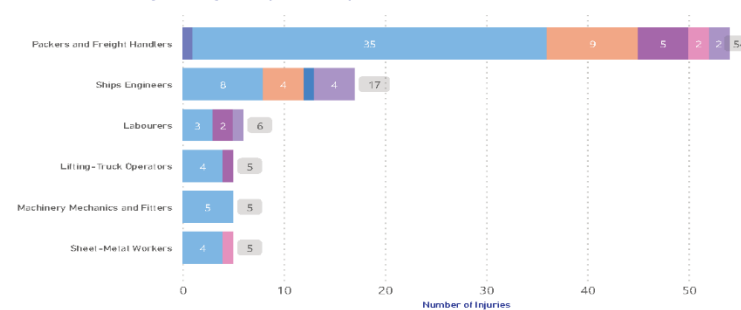
Distribution of Injuries by Read code description (Top 10) and injury severity



Injuries Body Hotspots



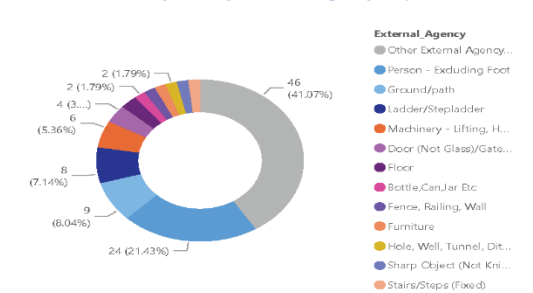
Distribution of Injuries by Occupation (Top5)



Ethnicity

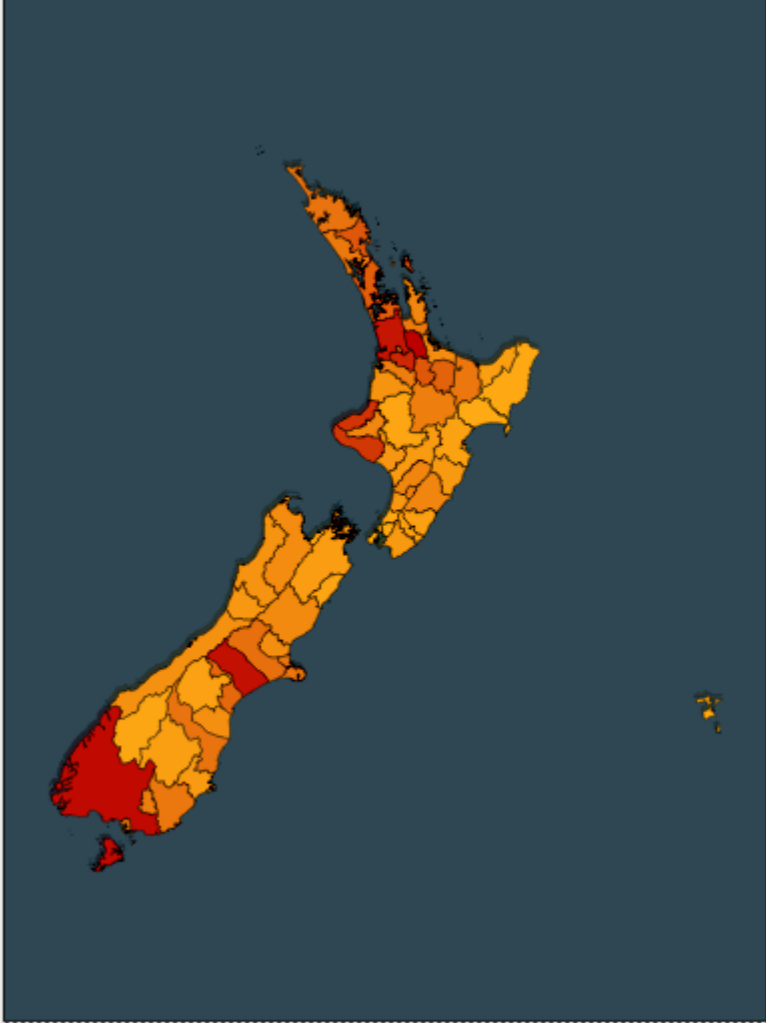
- Asian
- European
- Macri
- Middle Eastern/Lat
- Other Ethnicity
- Pacific Peoples
- Residual Categories

Distribution of Injuries by External Agency (Top10)

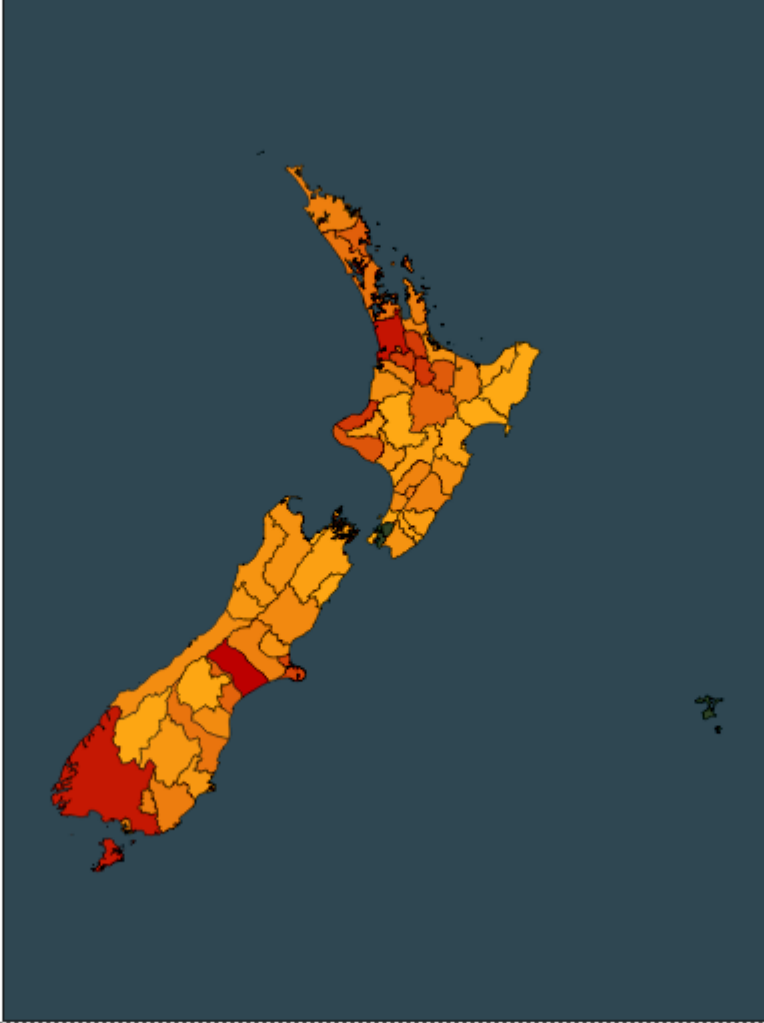


The solution

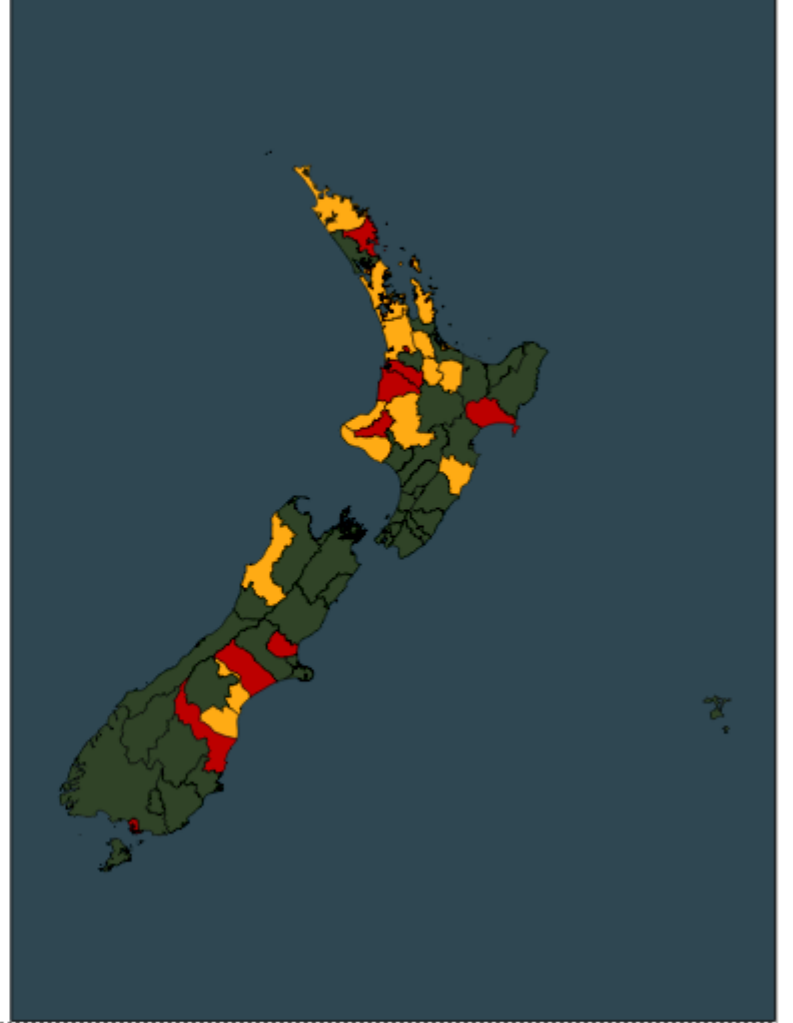
No. of Less than WAFW injuries



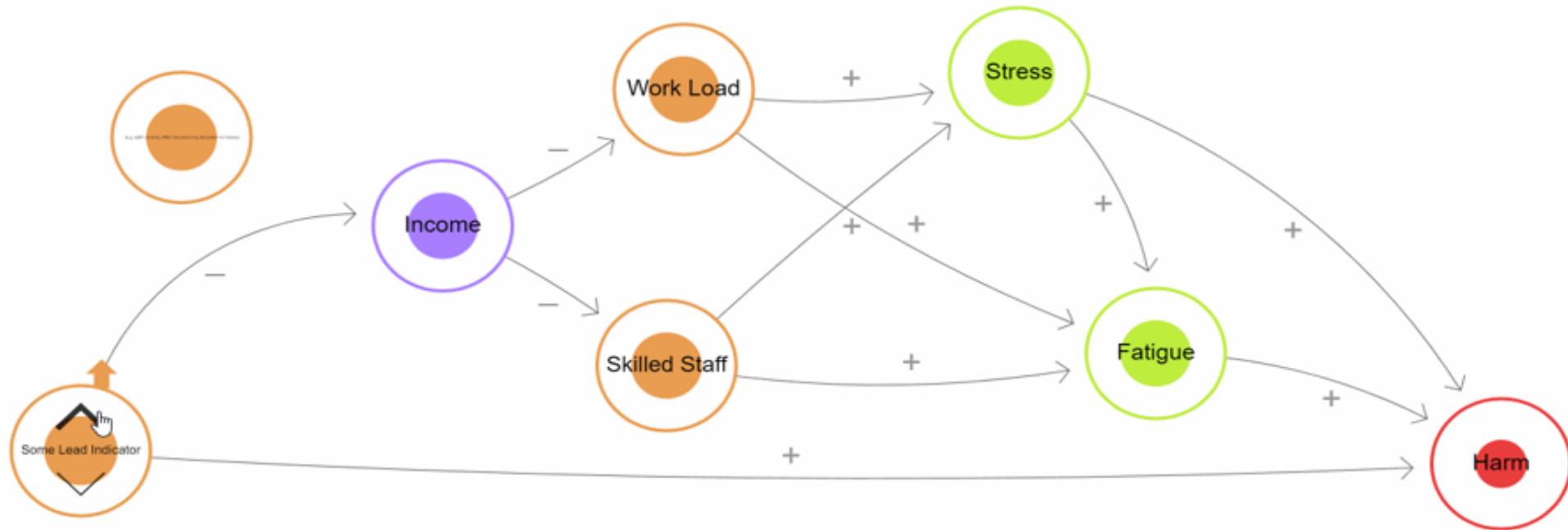
No. of WAFW injuries



No. of Fatal injuries



Futures Assisted Decisions (FAD)



Lessons learned

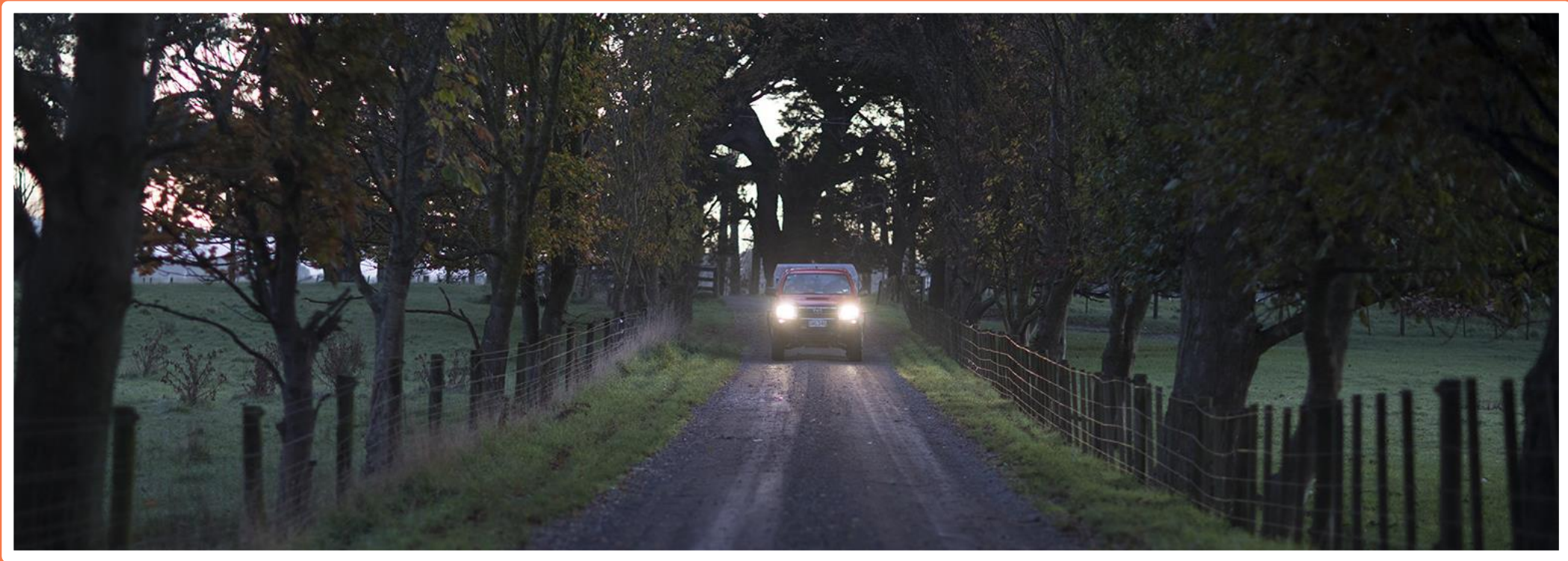
Kia whakatōmuri te haere whakamua

I walk backwards into the future with my eyes fixed on the past



The future

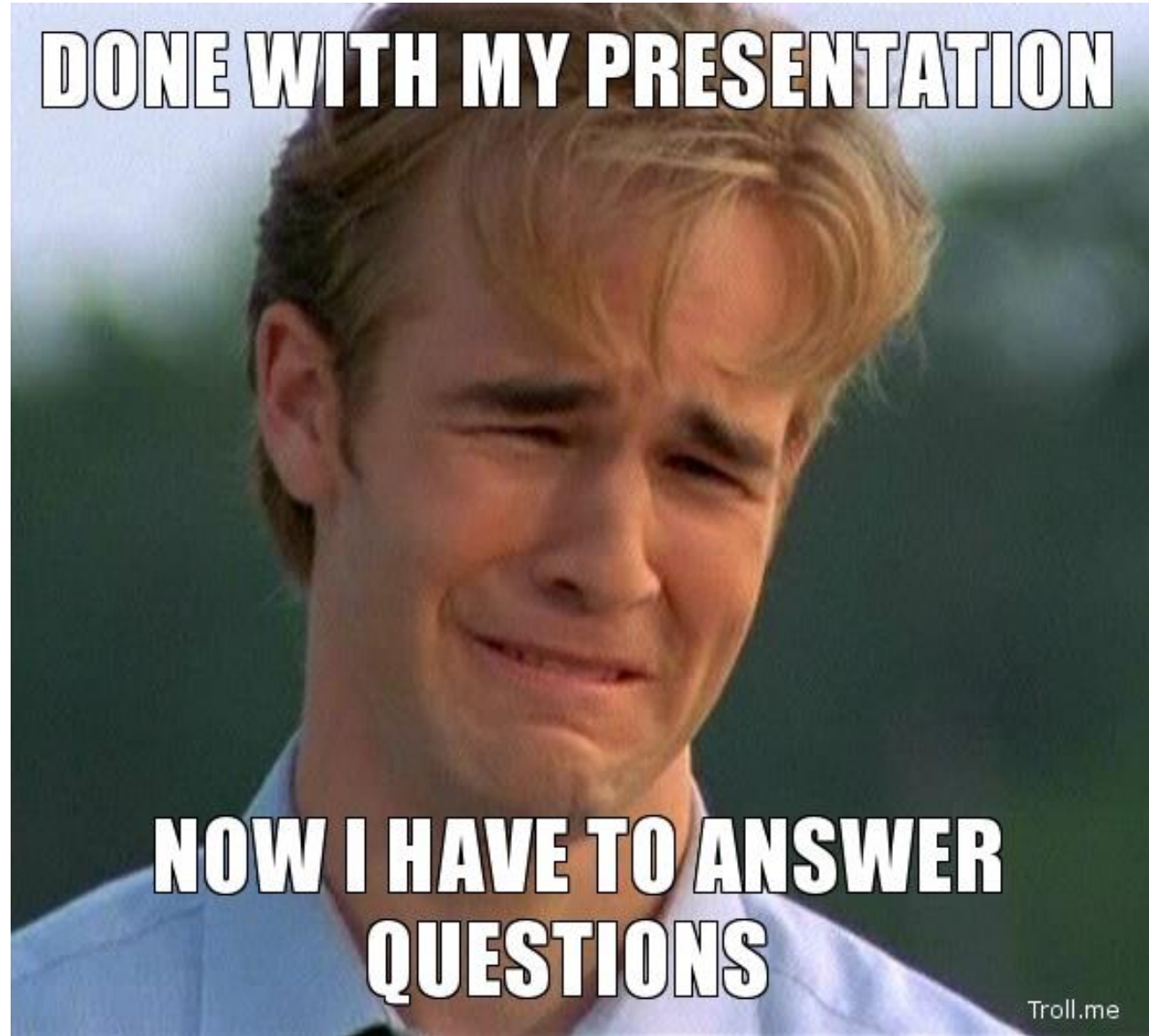
It's hard to make predictions, particularly about the future





Concluding observations

DONE WITH MY PRESENTATION





**NOW I HAVE TO ANSWER
QUESTIONS**

Troll.me

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**GETTING YOU HOME HEALTH AND SAFE.
THAT'S WHAT WE'RE WORKING FOR.**

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NEW ZEALAND | MAHI HAUMARU
AOTEAROA