

Can sustainable telematics and personalized pricing save the world from climate change?

Dawid Kopczyk & Dino Bertolis

Speaker introduction



Dawid Kopczyk

- Fellow Actuary since 2018
- Co-founder & CEO of Quantee
- Previously worked for Aviva, Royal London, Hannover Re
- One publication in quantum physics (quantum information)



Dino Bertolis

- Fellow Actuary since 2016
- Founder & CEO of Breez
- Previously Head of Product at Vitality,
- Founding employee of Vitality car insurance
- Jiu-jitsu black belt





Introduction: Quantee



Our mission: Enable smarter insurance with next generation software



Revenue growth 6x in 2023, the most modern end-to-end pricing platform



Global presence (Poland, UK, Spain, Canada, Thailand, South Africa, ...)



Hiring the best experts from insurance, pricing and technology space



Institute and Faculty of Actuaries

Introduction: Breez

Breez helps companies and their employees measure, reduce & counteract emissions from travel and commuting.

| Measure | Reduce | Counteract |
|--|--|-----------------------------|
| In-house mobile app telematics | Behaviour change programme | Environmental initiatives |
| Processors Proces | Solution Solution S | CARBON CREDIT |
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Insurance and sustainability

22 January 2024

"The most valuable commodity I know of is information."

- Peter Drucker



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Quantifying emissions is a priority for most companies

Why

EU Corporate Social Reporting Directive (CSRD)

Gв Task Force on Climate-Related Financial Disclosures (TCFD)

us Securities and Exchange Commission (SEC) Climate Disclosures





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Emissions

Emissions = f(*Mileage*, *Vehicle*, *Driving Behaviour*)

Emissions = Mileage x Emissions per Vehicle





There are 3 types of data sources for mileage:

- > Mileage question on quote.
- > MOT data which you can get through an API.
- Telematics can be done via in-vehicle telematics, device or mobile app telematics.





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Pricing and underwriting implications

How emissions can be integrated within insurance pricing

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Emissions reduction

Why motor insurers are best placed to accelerate Net Zero

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Net Zero commitments are taking shape globally

Country-specific Net Zero commitments



- Measurement is just the first step in global decarbonisation plans.
- Emissions reduction is the next key step.
- This is key to achieve Net Zero.



Motor insurers will be pivotal in achieving net zero goals

Motor insurers are in a unique positive to leverage shared risk and emission dynamics

Insurance Risk = f(Mileage, Vehicle, Driving Behaviour)

Vehicle Emissions = *f*(*Mileage*, *Vehicle*, *Driving Behaviour*)

This provides a basis by which which motor insurers can profitably reduce risk and emissions simultaneously.



How this may translate to sustainable insurance products

Use Case 1: Offsetting of policyholder's vehicle's emissions



Cost:

• £0.3 - £20 per 1000 miles

Use Case 2: Insurers provides free or discounted alternatives to car use.







Launching sustainable insurance product has never been easier

New physical and digital infrastructure & technology has enabled sustainable motor insurance products to exist



To conclude...

Insurers, leveraging the correlation between risk and emissions, have a key role in reducing CO2 emissions, and need the appropriate tools to effectively do so.



Questions

Comments



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