**ST7 Finance – Conference n°2**

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Health, life and insurance. Deeptech AI company. Saas solutions. Fast deployment. ROI (Return on investment) driven.

50% of employees are data scientists.

Save money for insurance, using data.

Claims management:

A claim is when you ask for reimbursement.

Providers: Hospital, doctors, dental clinic (healthcare)…

1.5 Trillion dollar private health insurance premium in 2021. 70% go to reimbursement, 2% to profit. Estimated 15% claims leakage.

Different health insurance systems: Public with complementary private insurance (France), Public with alternative private insurance (UK, Switzerland, Germany), fully private (USA, UAE, Qatar, Singapore).

Actuaries: compute the prices of insurance products. Poisson models for occurrence of disease, then average cost. Expectation, law of large number and margin.

Member: insured person

OCR: Optical character recognition. Images to test. The best OCR performs at 85% for the handwritten text. Insurers cannot fail on 15% of claims.

Specialized AI, like for health claims, needs to be used to ensure sufficient performance.

Must build a design knowing that AI does not work for 100% of the cases.

CNN: Convolutional Neural Network

Provider network: a set of privileged providers to which insurers will steer their members in exchange of a reduction of the care fees. Price lists with providers in the network are generally pre-negotiated.