Asia Actuarial Analytics Challenge 2017

Calling for Sponsorship _ Singapore Actuarial Society _ Big Data

Following the success with the inaugural competition, SAS is relaunching a kaggle Big Data competition, we are seeking sponsorship for Winners' Prizes.

✓ **What is kaggle competition?**

kaggle is a platform for predictive modelling and analytics competitions. Individuals, education institutes, or corporates can host competitions for learning purpose or to find model solutions for business cases. Statisticians, data scientists, data miners and students from all over the world compete to produce the best predictive models. Moreover, Kaggle runs programming contests to crowdsource machine learning solutions.

✓ **Why is SAS Big Data Working Party launching such competition?**

Big Data has become a ubiquitous word and many industries are tapping into Big Data and analytics to grow businesses, improve revenues and operational efficiencies, and reduce costs. Disruptive technologies and business models are also threatening traditional businesses. Insurance industry is no exception to these threats.

Our objective of organizing the competition is to raise awareness of importance of analytical skills and equip actuaries/other professionals with new skills to prepare them for new challenges in a rapidly changing world. Success of such a competition hinges on wider participation by contestants across Asia.

✓ **Why should your company sponsor such a competition?**

Your company shares the view that actuaries and data analytics teams including your own should upgrade their predictive modelling skills with the increasing availability of big data and demand for such skills.

Your company wants to be visible with brand awareness among data science, analytics and actuarial communities.

Singapore Actuarial Society and Big Data Working Party

The objectives of Singapore Actuarial Society are to uphold the highest professional standards among members and to promote the study, discussion, publication and research into the application of economic, financial and statistical principles to practical problems in multi-disciplines with particular reference to Singapore and ASEAN region.

Big Data Working Party is Society's initiative to explore the future of big data and analytics and what actuaries need to do to have right skill sets that will be in demand for such work.

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✓ **Why is SAS Big Data Working Party calling for sponsorship?**

Attractive prizes get wider participation: actuaries should compete with data scientists and learn from them; attract a larger ASEAN community.
Bring this working party to the next level, allowing us to serve our members in terms of awareness, knowledge and educational needs.

✓ **Tell us more about 2016 first competition:**

Topic was Predict re-admission to hospital for diabetes patients. Competition was open to all invited by SAS. We had great success with 58 teams (70 players) competing across Asia.
https://inclass.kaggle.com/c/sas-analytics-challenge
hyperlink 2016 prize-winners
Winner presentation at the SAS Health and Retirement Conference 2016:
SAS.HRC2016.D1.20161013.1415H.BigDataWP.pdf
Winner interview: 2016-17-Newsletter-SAS-Quarterly-Issue-03.pdf (page 10)

✓ **Tell us more about 2017 competition:**

The challenge is to predict purchase of a term deposit product through a telemarketing campaign by using different variables for their predictive power.
Competition was launched in April, see file http://actuaries.org.sg/?q=node/16631
The link to competition website is https://inclass.kaggle.com/c/asia-actuarial-analytics-challenge-2017

✓ **How will your sponsorship be visible?**

~ in kaggle website will be displayed Winners-Prize-Sponsors:
hyperlink 2017 prize-winners-sponsors
~ in SAS newsletters: 2016-17-Newsletter-SAS-Quarterly-Issue-03.pdf (page 9)
~ additionally: Prizes could be delivered by a sponsor during an event as last year hyperlink 2016 prize delivered by sponsor page 33

![Singapore Actuarial Society logo]

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