

## Predictive Analytics and Futurism Section's Hack-a-Thon Contest Official Rules

These are the Official Rules governing the Society of Actuaries' ("SOA") Predictive Analytics and Futurism Section's Hack-a-Thon Contest ("Contest"). In these rules, "you" and "your" refers to an eligible Contest entrant ("Entrant"). By entering, Entrants acknowledge compliance with these Official Rules, including all eligibility requirements.

### 1. CONTEST REGISTRATION PERIOD

Registration period begins June 17, 2019 at 12:00:01 a.m. Central Daylight Time ("CDT") and ends September 14, 2019 at 11:59:59 p.m. CDT (Registration Period). You may register for the Contest during the registration process for the [2019 Predictive Analytics Symposium](#). When registering for the Contest, you will be asked to indicate whether you are competing individually or with a team; if you indicate with a team, you can specify the members or ask to be placed on a random team. You will also be asked to indicate your skill level (i.e. beginner, intermediate, or expert). The Contest is limited to the first fifty (50) registrants. By registering for the contest, you understand and agree that your contact information will be shared with the Contest Planning Committee who will use that information for purposes of placing you on a team and/or providing information about the Contest.

### 2. CONTEST GUIDELINES

Entrants will attend a session in-person during the [2019 Predictive Analytics Symposium](#) in Philadelphia, PA, USA where the Contest Problem will be disclosed on September 20, 2019 at approximately 10:00:00 AM EDT. Entrants may participate individually or as a member of a team (up to five (5) individuals per team); participation on a team is encouraged, but not required. Both teams and individuals are referred to throughout these rules as "Entrants".

At the start of the session, Entrants will be provided with a data set and the error metric to optimize (the "Problem"). Entrants will submit predictions for a specific target variable for a predetermined number of records in the dataset using the template (.csv file) provided by the Sponsor ("Submission") within four (4) hours ("Submission Period"). Entrants may use any coding language (e.g. R, Python, Julia) and application to generate the output needed for the Submission. Entrants are required to supply their own wi-fi enabled computers and applications/software to solve the Problem and submit a Submission.

### 3. JUDGING

The winning Submission will be the one with an error metric closest to or matching the official solution. In the event of a tie, the Prize will be split equally between the winning Submissions' Entrants. For the avoidance of doubt, if, e.g., three Submissions tied, regardless of whether they were submitted by an individual or team, the Prize will be split three ways; if a team submitted one of the three winning Submissions, their third of the original Prize will be again divided equally between the team members.

### 4. PRIZES

There will be one (1) Prize awarded in this competition, a \$500.00 USD prize. If the Submission was submitted by a team, the Prize will be divided among the team members equally. The Prize Winner(s) will also be recognized on the Predictive Analytics and Futurism Section webpage and in its newsletter, *Predictive Analytics and Futurism*.

Prize Winner(s) will be determined and announced on September 20, 2019 at approximately 3:00:00 PM EDT at the Predictive Analytics Symposium in Philadelphia, PA, USA. Prize Winner(s) do not need to be present to win. Prize Winners will be announced publicly on or about October 15, 2019.

The SOA will mail a check to the Prize Winner(s) at its own expense. The Prize Winner(s) will be required to submit a short article describing their approach to determining the solution to the Problem ("Article") and a license agreement to allow for publication in order to receive the Prize. No substitution allowed except, at the SOA's sole discretion, a prize of equal or greater value may be substituted.

### 5. SUBMISSION RULES

Entrants, either individually or as a team, may submit multiple Submissions prior to the close of the Submission Period to have their format and viability verified; the Submission with the timestamp closest to the end of the

Submission Period will be considered the final Submission and will be judged against the official solution. Entrants will be informed during the session how to submit their Submission. No purchase necessary to enter or win. Odds of winning depend on the number of Submissions received. By entering a Submission in the Contest, Entrant is verifying ownership of the Submission and compliance with the Official Rules. Submissions cannot infringe upon any third-party personal or proprietary rights.

## 6. ELIGIBILITY

Contest open to legal residents of the United States of America, the United Kingdom and Canada who are at least eighteen (18) years of age as of September 20, 2019. Entrants must be a registered attendee of the 2019 Predictive Analytics Symposium. Employees of the Society of Actuaries, its representatives and agents, the Contest Planning Committee, and those with whom they are domiciled are ineligible to enter or win the Contest. This Contest is void in Puerto Rico and all other U.S. territories and possessions and where prohibited. Contest is subject to all applicable federal, state, provincial and local laws and regulations. Sponsors reserve the right to verify eligibility qualifications of the winner(s). Submissions received prior to or after the Submission Period are void. Void where prohibited by law.

## 7. PARTICIPANT OBLIGATIONS

- a. By entering, Entrants consent to the use of their name, Submission, biographical information, photographs and/or likenesses for advertising and publicity purposes without additional compensation (except where prohibited) by Sponsor for purposes concerning this Contest or succeeding contests and for publicity, special events and advertising purposes in connection with promoting the Society of Actuaries, the SOA's Predictive Analytics and Futurism Section, the SOA website and/or this Contest or succeeding contests.
- b. By entering, Entrants grant the Sponsor a perpetual, royalty-free, non-exclusive, non-transferable license to publish, display, and reproduce their Submission and Article in any and all media, in whole or in part, throughout the world for any purpose including commercial purposes. Entrants hereby grant the Sponsor permission to format their Submission and/or Article for the Sponsor's purposes at the Sponsor's sole discretion.
- c. By entering, each Entrant agrees to defend, indemnify, release and hold harmless the Sponsor from and against any and all losses, demands, damages, rights, claims, injuries, actions and liabilities of any kind arising out of or related to Entrant's participation in the Contest. Any disputes that may arise hereunder shall be governed in all respects by the laws of the State of Illinois without regard to the conflicts of laws principles of any jurisdiction. Venue with respect to any such disputes shall be had in the state and federal courts of the State of Illinois. Sponsor's failure to enforce any term of these rules shall not constitute a waiver of that provision. In any cause of action, the Sponsor's liability will be limited to five hundred dollars (\$500.00 USD), and in no event shall the Sponsor be liable for attorneys' fees and/or experts' fees and costs. By participating in the Contest, each Entrant waives the right to claim any additional damages whatsoever, including, but not limited to, punitive, consequential, incidental or indirect damages.

## 8. PERSONAL INFORMATION

Personal information submitted to enter the Contest will be used to place you on a team (if requested), in the event you win the Contest, if there is a question or issue regarding your Submission, and if there is an issue or news to communicate to you pertaining to the Contest. The personal information collected through this Contest is subject to Society of Actuaries' Privacy Policy, located at <http://www.soa.org/legal/privacy-policy>. By entering this Contest, you agree to the use of your personal information as described in the above Privacy Policy.

## 9. ADDITIONAL TERMS

By entering or participating in the Contest, participants agree to be bound by these Official Rules, the terms and conditions of the Contest Sponsor's website, and by the decisions of Sponsor, which are final and binding in all respects. Sponsor is not responsible for: (1) any incorrect or inaccurate information or technical failures of any kind, or (2) any other computer, network, technical, human or other error, problem or malfunction that may occur in connection with the administration of the Contest, the processing of Submissions, or the selection or notification of winners. Further, if, for any reason, the Contest is not capable of running as planned for reasons outside the control of the Sponsor which, in the sole opinion of Sponsor, may corrupt or affect the administration, security, fairness, integrity or proper conduct of the Contest (or portion thereof), Sponsor reserves the right, at its sole discretion, to cancel, terminate, modify or suspend the Contest (or portion thereof). In the event of such cancellation,

termination, modification or suspension, Sponsor will select Prize Winners from all eligible, non-suspect Submissions received prior to such action. Sponsor also reserves the right at its sole discretion to disqualify the Submission of any Entrant found to be (a) tampering or attempting to tamper with the entry process or the operation of the Contest or (b) violating these Official Rules or the terms of service, conditions of use, and/or general rules of any Sponsor property or service. Contest Entities are not responsible for claims, injuries, losses or damages of any kind resulting, in whole or in part, directly or indirectly, from the awarding, delivery, acceptance, use, misuse, possession, loss or misdirection of the prize; participation in this Contest or in any activity related thereto or from any interaction with Contest information. Contest Entities make no warranties, and hereby disclaim any and all warranties, express or implied, concerning any prize furnished in connection with this Contest. Submissions not complying with all rules are subject to disqualification. Sponsors are not responsible for any unauthorized use of your Submission by third parties.

#### 10. WINNERS LIST

The Prize Winner(s) will be posted on the SOA website on or about October 15, 2019. To obtain a copy of these Official Rules or for notification of the Prize Winners, send a self-addressed stamped envelope to: Predictive Analytics and Futurism Section's Hack-a-Thon Contest Official Rules/Winner List Request, ATTN: Jessica Schuh, 475 N. Martingale Rd., Suite 600, Schaumburg, Illinois 60173 USA. Requests for winner list must be received no later than three months after the end of the Contest. Vermont residents may omit return postage.

#### 11. SPONSORS

The Sponsor of this Contest is the Society of Actuaries' Predictive Analytics and Futurism Section 475 N. Martingale Road, Suite 600, Schaumburg, IL 60173 USA.