**Beginner Problem Hackathon quick guide**

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Beginner Problem*(to be read by teams who can and can’t access webapp)*

1. Data set to be shared **0430 hours UTC on 21st Jan,2020**
   1. ***Through email from*** [***AICOE@dell.com***](mailto:AICOE@dell.com) ***& on MS Teams-*** 22 mb file
   2. ***GlobalHackathonFY20\_BeginnerProblem\_MasterData.xlsx***
   3. ***3 tabs*** – Training, Validation, DictionarySet
   4. ***Category column*** in Training tab is the ***Dependent variable***
   5. Train a model using dataset in Training tab to predict categories of dataset in ***Validation tab***
   6. You can use data in ***DictionarySet*** tab to help your model learn semantics, syntactic, contextual information or more
   7. Finally ***populate your validation dataset predictions*** in the file attached below (point x.) and upload it onto the ***webapp by logging*** in through your ***8 digit Pin Number***
      1. ***Finding PIN*** -Search for email From: AI COE [AICOE@Dell.com](mailto:AICOE@Dell.com), Subject: Confidential: AI COE Global Virtual Hackathon - Webapp Login Pin
      2. Webapp - <http://analytics.dell.com/AI_CoE_Virtual_Hackathon/AIHACKATHON.aspx>
      3. Webapp guide –



* + 1. Maximum allowed submissions – ***10***
    2. ***Best model*** out of all 10 to be considered
    3. Model performance comparison is based on ***Accuracy metric***
    4. Beginner event dynamic details, contains judging criterion, next steps and timelines among others –



* + 1. ***Documentation***, code and research resource material related to beginner problem – to be found in ***confluence*** - <https://confluence.dell.com/display/AMA/Beginner+Problem+Statement>
       1. Shared the same content for those who can’t access confluence through email on 31st December & 16th Jan from AICOE@dell.com
    2. Submissions are not allowed after **0429 hours UTC on 25th Jan, 2020**
    3. ***Submission file*** – Populate the blank ***“Prediction”*** column with one of the ***12 allowed category values*** (values are ***case sensitive***)





* + 1. Category values

|  |
| --- |
| **Category** |
| OS & Drivers |
| Drive & Storage |
| System Board & Related |
| Display & Audio Devices |
| Power Related |
| 3rd Party & Applications |
| Input Devices |
| Others |
| Imaging Devices |
| Network & WiFi |
| Virus/Spyware |
| Diagnostics Related |

* + 1. Post ***your questions***to organizers on the ***webapp FAQ section***

Submission rules for those who can’t access webapp*(to be read by teams who can’t access webapp)*

* Teams which are ***unable to access*** the webapp ***will have organizers submit results*** for them using their PIN and ***share result and leaderboard updates over Email & MS team***.
* But since this will be done manually, participants need to ***expect a delay/lag*** in leaderboard and model performance metric ***updates***
* ***Mail format of result submissions*** – ***to be followed strictly*** –
  + Send the email to AICOE@dell.com
  + Subject line of email - ***<Pin number> - <Submission number>***
  + Example - > ***999999999 – 5***; ***11111111 – 3***; a maximum of 10 submissions are allowed, so the submission number will range between [1,10].
  + Attach the excel prediction file in the format as mentioned above

Guide to Wiki-style Documentation *(to be read by teams who can and can’t access webapp)*

***Note – you are expected to work on the wiki documentation only if you are in the top 5 based on your accuracy scores after 0429 hours UTC on 25th Jan, 2020. This will leave the discretion at you on when you want to start working on this given the top 5 teams are expected to present in front of judges during 8:00 AM to 10:30 AM CST, 28th Jan, 2020. so they can essentially start spending time on this even between 25th and 28th as well.***

Most of the learning Data Science involves reading academic materials, software documentation, examples of solution and even code bases.

Our objective in asking for Wiki-style documentation, is twofold:

1. Adopt an Industry Best Practice
2. Enable the rest of Dell to benefit from your Hackathon Solution

You can write Wiki-style documentation with various tools.  Be creative and you can leverage the examples below.

Examples in this Space:

* Documentation for the 2019 Bangalore Hackathon Winner
  + [NLP based Content Tagging (Conversa Wiki)](https://confluence.dell.com/pages/viewpage.action?pageId=212146177)

 (attachment for those who cant access confluence)

* + [Template Example - Wiki Documentation Global Hackathon Beginner](https://confluence.dell.com/display/AMA/Template+Example+-+Wiki+Documentation+Global+Hackathon+Beginner)

(attachment for those who cant access confluence)

***You don't have to use Confluence, Word documents is a great choice and enables us to publish.***

* Example of Wiki-style Hackathon Problem Statement for 2019 Hopkinton and Bratislava

