# Rakuten-Viki Global TV Recommender Challenge

**Final submission checklist:**

* Submitted model
* Complete documented code (compressed in a .zip file)
* *Report* and *Algorithm Summary* in .pdf format. (see templates below)

# *Report Template*

**Team name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| --- | --- | --- | --- |
| **#** | **Team member(s)** | **Team member(s)’ email(s)** | **Team member(s)’ mobile number(s)** |
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|  |  |  |  |

**Introduction and Overview of Solution**

* Brief description of your algorithm
* Detailed description of your algorithm, including a walkthrough of the thought process that guided you to the solution

**Insights from data**

* Can you find the main attributes or factors, which have the most influence on how long a given user watched a particular movie?
* Can you find any other insights from the data?

**Implementation of model/algorithm from the fields selected**

* Can the model/algorithm be implemented? Please explain how.
* How easily can it be implemented?
* Any risk in the implementation? If so, how to overcome it?
* Complexity level of your algorithm?
* Ease of portability and ease of understanding and improvability?
* What was the experimental framework you used to decide between several solutions and error analysis process, if any?
* State assumptions which you made to implement the solution.

**Ideas**

* Ideas to improve current data collection and how it should be done.
* Ideas for external and/or additional data to complement your model.

**Conclusions**

* Explain how this solution will be useful and beneficial to Viki business and its users
* Provide any conclusions you can make from this challenge

# *Algorithm Summary Template*

|  |  |
| --- | --- |
| Algorithm specifications | Particulars |
| Language of your code | Python? R? … |
| Packages you like to highlight | Numpy? Scikit-Learn? Pandas? … |
| Algorithm | Collaborative filtering, content-based, etc |
| Features utilised | genres, episode\_count, person\_id, etc. |
| Number of Features |  |
| Feature selection process | How do you select above features from all features? |
| Is the algorithm Parallelizable | Yes/No? |
| CPU | i5 2.6 GHz? i7 2.5 GHz? … |
| RAM | 4G, 8G? … |
| Training time | How long will it take to train your algorithm? |
| Running time | How long will it take to generate the prediction, negligible? |
| Public score | The public score of this particular algorithm. |
| Private score | Will be filled by Dextra team for this particular algorithm you choose. |
| Comments | Your comments on the algorithm. |

**Appendix**

* Provide any supporting ideas, suggestions, illustrations, articles and charts.
* Provide a separate .zip file of the complete codes and the codes documentation.