Models on the Peer Models Network

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Contents

Chapter 1

Introduction

This user guide includes information about models hosted on the Peer Models Network.

Chapter 2

ACCEPT

Model Name: Acute COPD Exacerbation Prediction Tool (ACCEPT)

Modelling team: Respiratory Evaluation Sciences Program (RESP), at the Faculty of Pharmaceutical Sciences at the University of British Columbia http://resp.core.ubc.ca

Link to published manuscript, pre-print, or other report: Adibi A, Sin DD, Safari A, Jonhson KM, Aaron SD, FitzGerald JM, Sadatsafavi M. The Acute COPD Exacerbation Prediction Tool (ACCEPT): a modelling study. The Lancet Respiratory Medicine. Published Online First 2020 March 13th; https://doi.org/10.1016/S2213-2600(19)30397-2

Purpose of the model: To predict probably, rate, and severity of COPD exacerbations within the next year.

Outcome measure:

Predictors:

Model companion video(s): https://www.peermodelsnetwork.com/educational-videos#

Interview with modeller:

Interview with stakeholder(s) or other media coverage

Number of Validations: 1

Mesh Terms:

2.1 Cloud-based API Acess:

Peer Models Network allows users to access ACCEPT through the cloud.

2.1.0.0.1 Microsoft Excel A MACRO-enabled Excel-file can be used to interact with the model and see the results. To download the PRISM Excel template file for ACCEPT, please refer to the PRISM model repository.

2.1.0.0.2 R

2.1.0.0.3 Python

```
import json
import requests
url = 'https://prism.peermodelsnetwork.com/route/accept/run'
headers = {'x-prism-auth-user': YOUR_API_KEY}
model_run = requests.post(url, headers=headers,
json = {"func":["prism_model_run"],"model_input":[{"ID": "10001","male": 1,"age": 57,"s
print(model_run)
results = json.loads(model_run.text)
print(results)
```

2.1.0.0.4 Linux Bash In Ubuntu, you can call the API with `curl`:

```
curl \
-X POST \
-H "x-prism-auth-user: REPLACE_WITH_API_KEY" \
-H "Content-Type: application/json" \
-d '{"func":["prism_model_run"],"model_input":[{"ID": "10001","male": 1,"age": 57,"smol
https://prism.peermodelsnetwork.com/route/accept/run
```