

Nunc Est Bibendum

Predicting Michelin guide stars for Washington, DC

Charles Rice

GA Data Science Immersive 2

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Meet Bibendum!

- Bibendum (“Michelin Man”) is the mascot of the Michelin tire company
- The “Bib” of “Bib Gourmand”

The Michelin *Red Guide*

- Oldest guide to hotels and restaurants in the world
- First published in 1900 in France
- Published by Michelin to encourage people to travel and *buy tires*

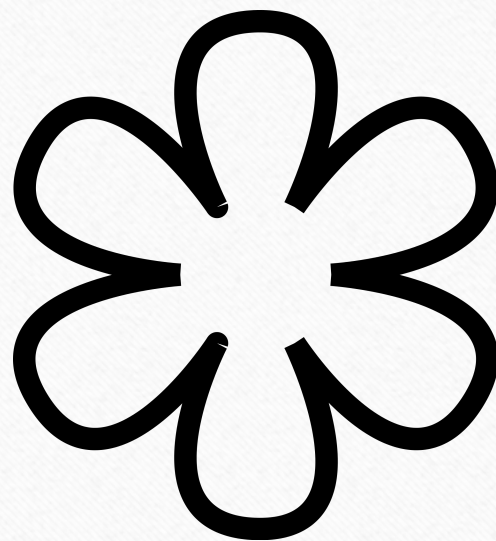
"Michelin is the only guide that counts."

- Paul Bocuse

Michelin's Criteria

“**Quality and freshness** of ingredients; **mastery** of cooking technique; **personality** of the chef as expressed in the creation of food; **consistency** over time and consistency throughout the menu; and **value** for money.”

– Michael Ellis, international director of the Michelin guides



*: "A very good restaurant in its category" (*Une très bonne table dans sa catégorie*)

**: "Excellent cooking, worth a detour" (*Table excellente, mérite un détour*)

***: "Exceptional cuisine, worth a special journey" (*Une des meilleures tables, vaut le voyage*)

The Question

Using the tools and techniques of data science, can we predict the restaurants that will receive Michelin stars?

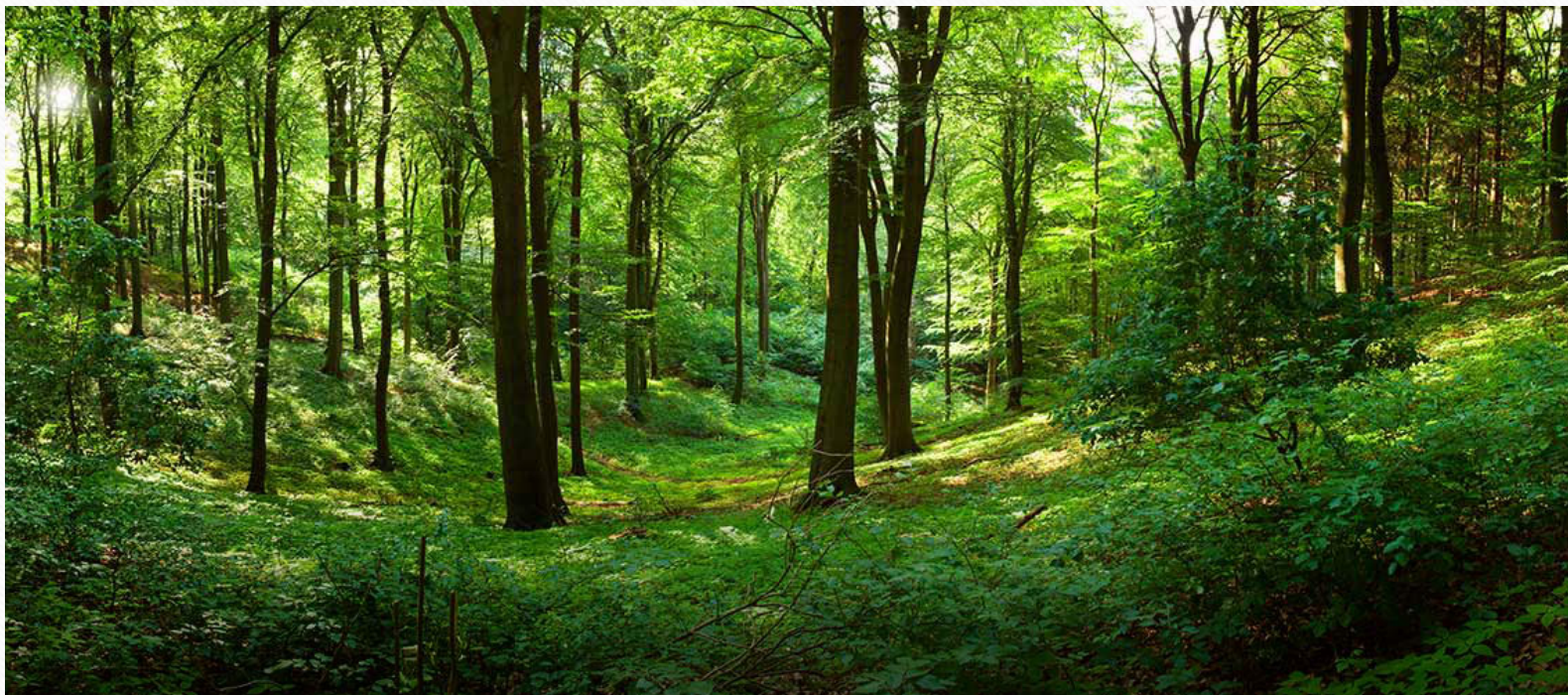
Yes.*

* For a given definition of ‘predict’

Methodology

- Natural Language Processing (NLP)
 - Turning human language into forms that computers understand
- The predictive power found within hidden patterns of written language

Random Forest Classifier



CAVEAT LECTOR!

Predictions on the next slide!

Three Stars:

- Le Diplomate

Two Stars:

- Elizabeth's Gone Raw
- Sushi Taro
- Maastro's Steakhouse
- Kyrisan
- **Pineapple and Pearls**
- Blue Duck Tavern
- Mintwood Place
- Tadich Grill
- Cedar

One Star:

boqueria
blt steak
corduroy
dbgb kitchen and bar
blacksalt
makoto restaurant
estadio
filomena ristorante
fiola mare
garrison
birch and barley
iron gate
art and soul
izakaya seki
jardenea
Kinship
acadiana
komi

la piquette
lupo verde
brasserie beck
plume
pennsylvania 6 dc
ottoman taverna
osteria morini
1789 restaurant
off the record
nopa kitchen bar
minibar by jose andres
medium rare
obelisk
rasika
Range
mari vanna
roses luxury

rpm italian
sallys middle name
tail up goat
the dabney
the lafayette
the partisan
the red hen
the riggsby
the source
masseria
marcels
unum
fiola
casa luca
bourbon steak
china chilcano

“Our main activity is not publishing guide books, it’s making and selling tires.”