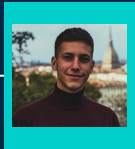


The background is a dark blue gradient. It is decorated with several vertical white lines of varying lengths. Scattered throughout are small squares in three colors: light blue, orange, and pink. Some squares are solid, while others are just outlines. The text is centered in the upper half of the image.

VODAFONE DATA SCIENCE CHALLENGE

20 FEBRUARY 2021

(P)RoFiTo



Antonioli
Marco

Passionate Innovator
from Turin (To).



Botta
Edoardo

Tireless Code-Wizard from
Rome (Ro).

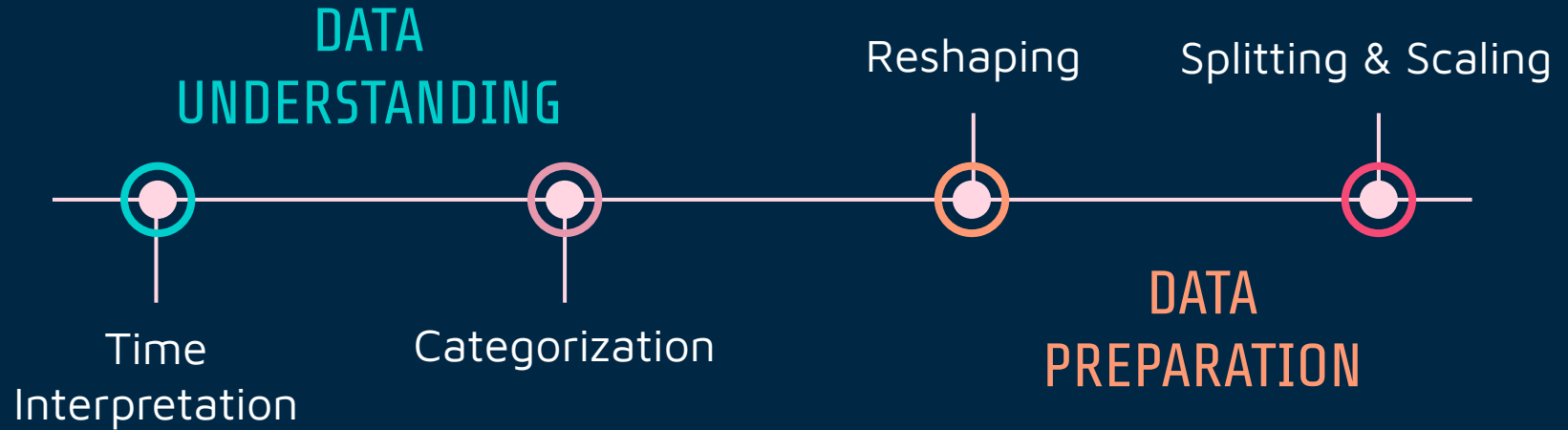


Torre
Elia

Relentless Pathfinder
from Florence (Fi).

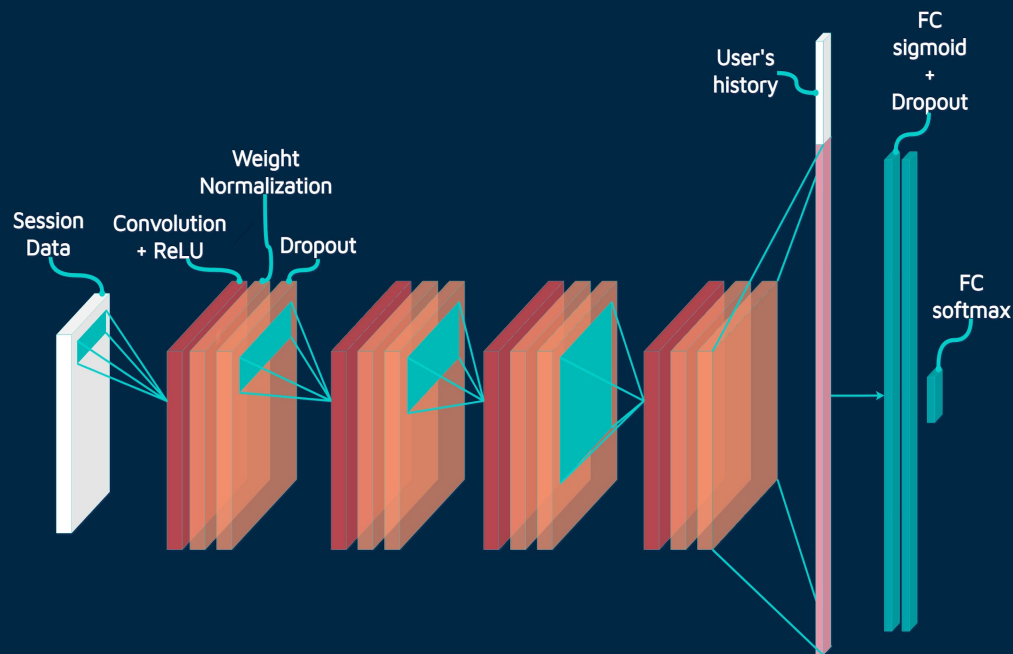


PRE-PROCESSING



OUR MODEL

We designed a Temporal Convolutional Network, adjusted with inspiration from deep recommendation systems.



TRAINING METHOD



RESULTS

COLD-START

48%



Accuracy on new users

GENERAL ACCURACY

53%



Final performance of the model

RETURNING USERS

63%



Accuracy on already profiled users

The background is a solid dark blue. It is decorated with a series of thin, vertical white lines of varying lengths. Scattered throughout the composition are small squares in three colors: teal, orange, and pink. Some squares are solid, while others are outlined. The word "THANKS" is centered in a large, white, sans-serif font.

THANKS