Universidade Federal da Paraíba

Programa de Pós-Graduação em Engenharia Civil e Ambiental

Programação em Python

Biblioteca seaborn

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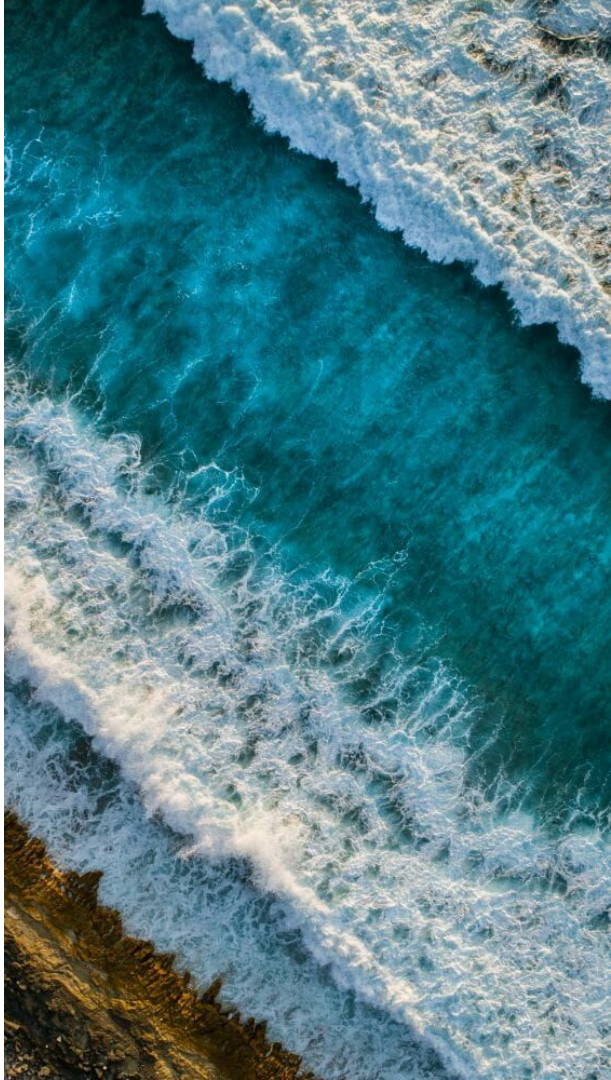
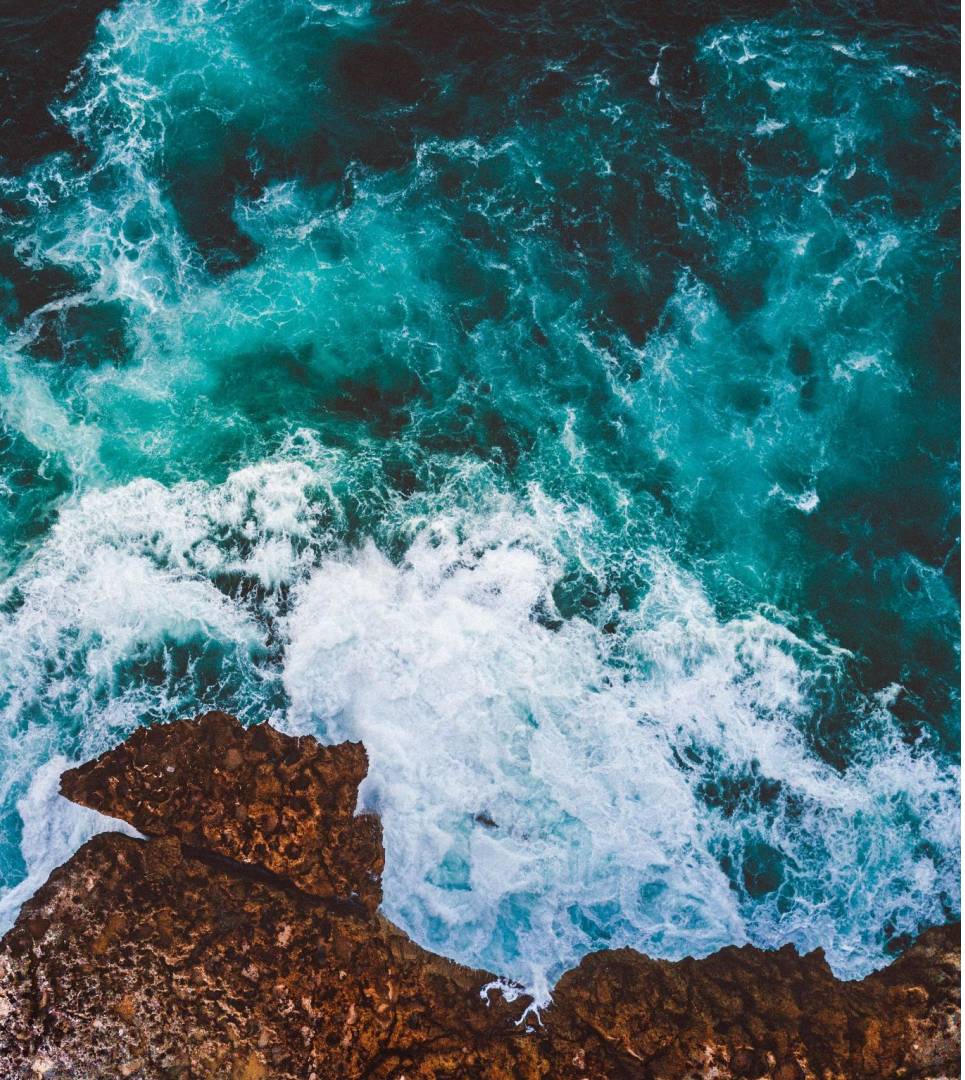
TÓPICOS ABORDADOS NA APRESENTAÇÃO

- O que é a biblioteca *Seaborn*?
- Produtos com a biblioteca *Seaborn*
- Github





O QUE É A BIBLIOTECA SEABORN?

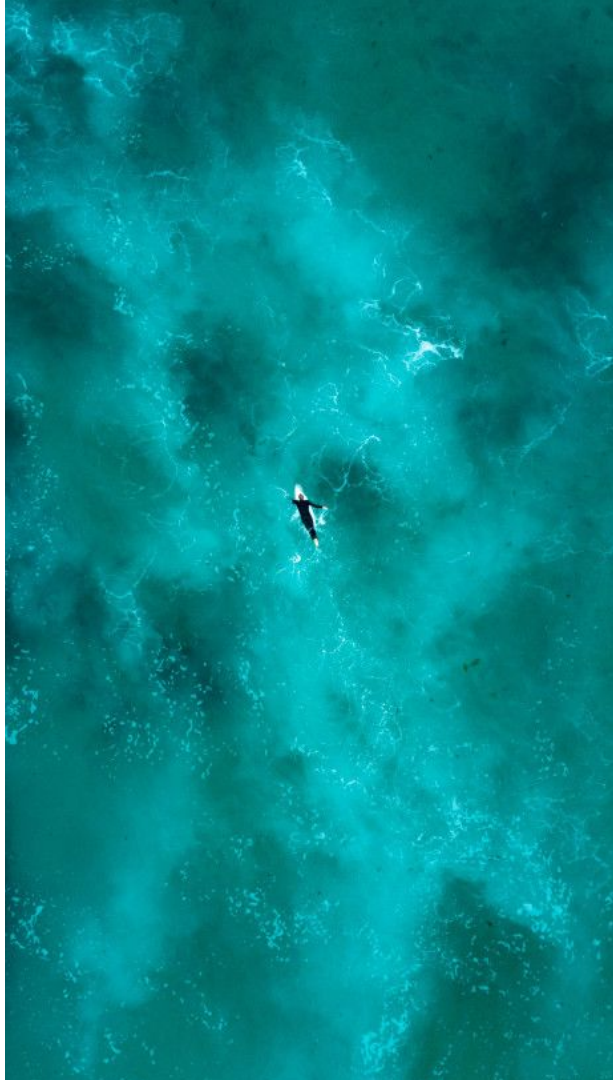
O QUE É A BIBLIOTECA *SEABORN*?

Biblioteca para visualização de dados

- ➔ Baseado em Matplotlib;
- ➔ Simples e uso bem intuitivo;
- ➔ Interface atraente e profissional.

Quando utilizar?

- ➔ Análise e exploração de dados;
- ➔ Apresentação de análises visuais.



O QUE É A BIBLIOTECA *SEABORN*?

Exemplo de aplicação

ROYAL SOCIETY OPEN SCIENCE

royalsocietypublishing.org/journal/rsos

Research

Cite this article: Sujeeun LY, Goonoo N, Ramphul H, Chummun I, Gimié F, Baichoo S, Bhaw-Luximon A. 2020 Correlating *in vitro* performance with physico-chemical characteristics of nanofibrous scaffolds for skin tissue engineering using supervised machine learning algorithms. *R. Soc. Open Sci.* **7**: 201293. https://doi.org/10.1098/rsos.201293

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Subject Category:
Chemistry

Subject Areas:
nanotechnology/computational biology

Keywords:

Correlating *in vitro* performance with physico-chemical characteristics of nanofibrous scaffolds for skin tissue engineering using supervised machine learning algorithms

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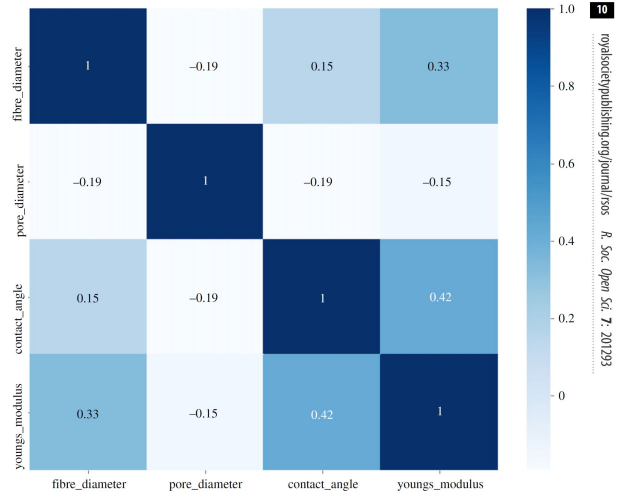
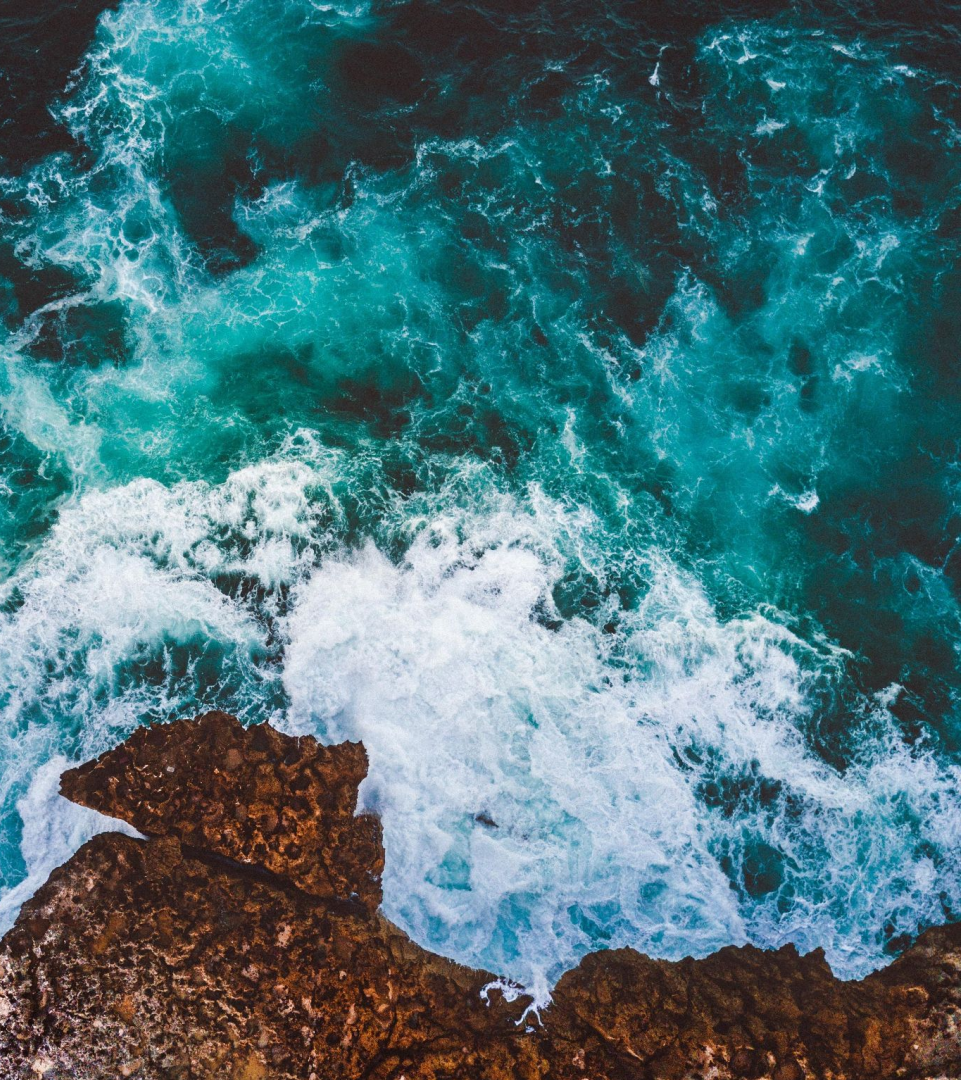


Figure 2. Pearson correlation matrix performed on four features: fibre diameter, pore diameter, water contact angle and Young's modulus.

PRODUTOS ELABORADOS COM A BIBLIOTECA *SEABORN*

Visualização no Google Colab



GITHUB

Visualização na plataforma

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SUJEEUM, L. Y., GOONOO, N., RAMPHULl, H., CHUMMUN, I., GIMIÉ, F., BAICHOO, S., & BHAW-LUXIMON, A. Correlating *in vitro* performance with physico-chemical characteristics of nanofibrous scaffolds for skin tissue engineering using supervised machine learning algorithms. **Royal Society open science**, v. 7, n. 12, p. 201 - 293, 2020.

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