3d-bin-container-packing: A variant of the Largest Area Fit First (LAFF) algorithm

<https://github.com/diadorer/3d-bin-container-packing>

<https://www.tensorflow.org/probability/api_docs/python/tfp/distributions/Dirichlet>

# Using a Dirichlet distribution for uncertainty with count data

<https://gotellilab.github.io/GotelliLabMeetingHacks/NickGotelli/DirichletSampler.html>

<https://numpy.org/doc/stable/reference/random/generated/numpy.random.multinomial.html>

<https://stackoverflow.com/questions/46657221/generating-markov-transition-matrix-in-python>

[3dbinpackingjs](https://github.com/keremdemirer/3dbinpackingjs)

<https://github.com/keremdemirer/3dbinpackingjs>

<https://www.mathworks.com/help/stats/mnpdf.html>

## Categorical data / Multinomial distribution

<http://christianherta.de/lehre/dataScience/bayesian/Multinomial-Dirichlet.slides.php>

# In-Depth: Kernel Density Estimation

<https://jakevdp.github.io/PythonDataScienceHandbook/05.13-kernel-density-estimation.html>

<https://scikit-learn.org/stable/modules/density.html>

vehicle-routing-problem in GitHub:

<https://github.com/topics/vehicle-routing-problem?o=desc&s=updated>

Large neighborhood solver for the multi-depot split-delivery vehicle routing problem with inventory constraints and heterogeneous fleet.

<https://github.com/markkvdb/MDSDHVRP-Solver>

Heuristic global optimization algorithms in Python

<https://github.com/sharma-n/global_optimization>

TSP with GA in python:

<https://github.com/sharman/global_optimization/blob/master/4.%20Genetic%20Algorithms%20Examples.ipynb>

A Python Implementation of a Genetic Algorithm-based Solution to Vehicle Routing Problem with Time Windows:

<https://github.com/iRB-Lab/py-ga-VRPTW>

## **NSGA II Implementation ipynb:**

<https://github.com/sharman/global_optimization/blob/master/7.%20NSGA%20II%20Implementation.ipynb>