excel data from client

types

class Cargo
class LDA
class Location

Cargo(self, ID, length, true_length, width, true_width, weight = 0, location = 0, hazards = False, risk = False, load_date = 0, load_off_date = 0, comment = '', description = ''):

LDA(self, ID, measurements, location, deck, length, width, max_weight, hazards = False, risk = False):

Location(self, name) : cargos[], LDAs[]

dataHandeling

extractData(df):cargos[], LDAs[]
sortCargos(cargos):cargos[]
sortLDAs(LDAs):LDAs[]

sorted lists of cargos and LDAs

Placer

placeCargosSingleLDA(cargos, LDA):cargos[], LDA
placeCargosManyLDAs(cargos_list, LDA_list):placed_LDAs[], rest_cargos
placeCargosByLocation(location_list, cargos_list, LDA_list):location_list, rest

optimizeResult(locations, cargos, LDAs):locations[], rest_cargos

data vizualisation for vCog