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1: import sgd
2: import week6
3: import pandas as pd
4: import numpy as np
5:
6: if __name__ == "__main__":
7:     T = pd.read_csv("data/T.csv").values
8:     o = sgd.StochasticGradientDescent().alg("polyak")
9:     fg = week6.generate_optimisation_functions(T, minibatch_size=5)
10:    o.function_generator(fg)
11:    o.start(np.array([3, 3]))
12:    for i in range(100):
13:        o.step()
14:        print("grad", o._grad_value)
15:    print("polyak", o._x_value)
```