**Промежуточный тест 1**

**Вопрос 1**

С использованием библиотеки Pandas проводится предварительный анализ данных, содержащихся в файле data.csv. Посредством анализа данных необходимо определить среднее значение параметра A5 для элементов списка, полученных путем отбора данных по условиям А2 > 0 и A3 < 1. Ответ требуется округлить с помощью функции round() до 2 знаков и записать через символ ".".

Содержимое файла data.csv:

,A1,A2,A3,A4,A5,A6,C

0,2.633,-7.467,5.521,-6.238,-3.083,-6.292,4.0

1,3.146,-7.019,8.152,10.391,10.584,4.793,3.0

2,7.686,-0.958,-9.244,0.877,-8.494,3.308,1.0

3,0.665,-2.69,3.166,-10.601,-5.063,-9.076,0.0

4,0.276,-1.714,-2.431,8.868,-7.584,-4.469,2.0

5,-6.178,-6.399,4.75,-12.165,-6.088,-8.873,0.0

6,3.952,-8.63,3.13,-6.846,-5.035,-4.611,4.0

7,6.267,-5.495,3.346,-3.049,-5.301,-3.046,4.0

8,6.706,-5.176,10.452,-7.856,-3.538,-7.87,4.0

9,-5.161,-3.88,5.128,-7.103,-1.03,-10.984,0.0

10,1.692,0.22,-2.13,11.117,-4.75,-2.72,2.0

11,12.052,1.428,-10.937,6.855,-9.675,-1.712,1.0

12,6.153,-6.56,5.687,-7.055,-0.801,-4.126,4.0

13,7.247,-4.124,7.503,9.767,6.615,3.573,3.0

14,-6.919,-5.842,7.3,-7.069,-0.673,-10.441,0.0

15,-5.508,-5.695,2.981,-10.872,-1.363,-9.624,0.0

16,6.362,-4.559,6.747,10.707,6.929,5.154,3.0

17,10.396,0.935,-9.594,4.968,-10.137,-3.967,1.0

18,0.229,-1.921,0.228,9.228,-6.102,-7.176,2.0

19,5.889,-2.322,5.891,7.873,8.017,5.447,3.0

20,-3.547,-6.701,1.123,-9.219,-4.005,-10.275,0.0

21,0.97,-0.271,-4.015,7.964,-6.377,-5.641,2.0

22,-1.052,2.881,-0.547,10.742,-7.05,-3.836,2.0

23,12.027,0.393,-8.534,3.843,-13.178,-1.664,1.0

24,5.569,-2.643,8.993,11.397,7.238,7.163,3.0

25,5.153,-7.739,5.136,-5.474,-5.492,-5.41,4.0

26,12.792,-0.254,-13.098,0.961,-10.18,-2.637,1.0

27,0.041,-0.116,0.109,9.516,-7.602,-2.36,2.0

28,7.357,-7.2,8.941,7.643,8.674,2.903,3.0

29,10.292,2.295,-7.7,6.613,-8.043,-2.06,1.0

30,-1.64,-6.39,7.038,-5.304,-2.271,-6.507,0.0

Правильный ответ: -8.81

**Вопрос 2**

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