

Q1:Which of the function from Pandas reads the dataset from a large text file?

- read_csv
This is a correct answer
- read_excel
This is a wrong answer
- read_json
This is a wrong answer
- read_txt
This is a wrong answer

Q2:Which Python module brings support for web requests?

- response
This is a wrong answer
- json
This is a wrong answer
- blaze
This is a wrong answer
- requests
This is a correct answer

Q3:Which of the following is NOT a function used in combining data sets with pandas?

- concat
This is a wrong answer
- merge
This is a wrong answer
- join
This is a wrong answer
- combine
This is a correct answer

Q4:Which of the following Python libraries provides advanced random number capabilities?

- Numpy
This is a correct answer
- Scipy

This is a wrong answer

- SymPy

This is a wrong answer

- Pandas

This is a wrong answer

Q5:plt.barh() in matplotlib does what?

- plots a bar graph with titles from column variables

This is a wrong answer

- plots a combo bar graph and line graph

This is a wrong answer

- plots a horizontal bar graph

This is a correct answer

- hides a bar graph

This is a wrong answer

Q1:What is the most important advantage of using NumPy ?

- Speed

This is a correct answer

- Portability

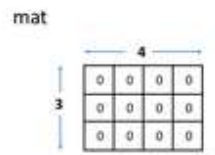
This is a wrong answer

- Readable code

This is a correct answer

- Easy to learn

This is a wrong answer



Q2:Create an array of zeros having 3 rows, 4 columns

- mat=np.zeros(3,4)

This is a wrong answer

- mat=np.zeros(4,3)

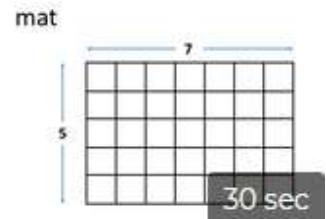
This is a wrong answer

- mat=np.zeros((3,4))

This is a correct answer

- `mat=np.zeros((4,3))`

This is a wrong answer



Q3:The command for retrieving the number of **columns** in the array **mat** is...

- `mat.cols()`

This is a wrong answer

- `mat.size[0]`

This is a wrong answer

- `mat.shape[1]`

This is a correct answer

- `mat.shape[0]`

This is a wrong answer

Q4:The command for retrieving the number of **rows** in the array **mat** is...

- `mat.rows()`

This is a wrong answer

- `mat[1].shape`

This is a wrong answer

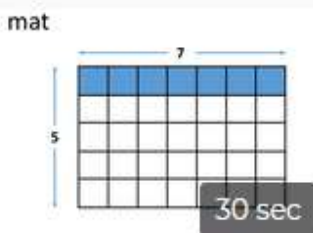
- `mat.shape[1]`

This is a wrong answer

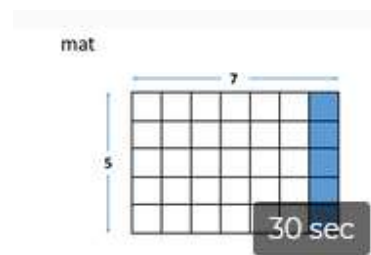
- `len(mat)`

This is a correct answer

Q5:Extract the **first row** of array **mat**

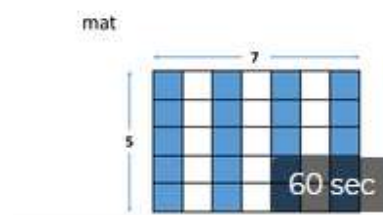


- `mat[0,:]`
This is a correct answer
- `mat[:,0]`
This is a wrong answer
- `mat[0]`
This is a correct answer
- `mat[1]`
This is a wrong answer



Q6: Extract the **last column** of array *mat*

- `mat[-1]`
This is a wrong answer
- `mat[:, -1]`
This is a correct answer
- `mat[-1, :]`
This is a wrong answer
- `mat[1]`
This is a wrong answer

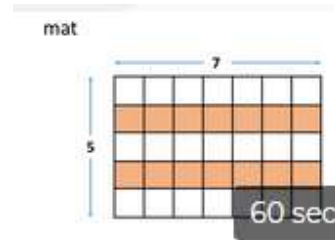


Q7: Extract the **even columns** of array *mat*

- `mat[:, ::2]`
This is a correct answer
- `mat[:, 1::2]`
This is a wrong answer
- `mat[1::2, :]`
This is a wrong answer

- `mat[0:2:6,:]`

This is a wrong answer



Q8:Sum of all orange cells in array *mat*

- `mat.sum([:,:2])`

This is a wrong answer

- `mat[1::2,:].sum()`

This is a correct answer

- `np.sum(mat)[1::2,:]`

This is a wrong answer

- `np.mat[:,2,:]`

This is a wrong answer

Q9:Return the column means of array *mat* (result is a row vector)

- `mat.mean()`

This is a wrong answer

- `mat.mean(axis=1)`

This is a wrong answer

- `mat.mean(axis=0)`

This is a correct answer

- `np.mean(mat,axis=1)`

This is a wrong answer

Q10:Return the number of values greater than 5 in each row of array *mat*

- `mat(x>5).sum(axis=0)`

This is a wrong answer

- `(mat>5).sum(axis=0)`

This is a wrong answer

- `mat(x>5).sum(axis=1)`

This is a wrong answer

- `(mat>5).sum(axis=1)`

This is a correct answer