

Python Quiz 7 - Astropy

- Due No due date
- Points 5
- Questions 5
- Time Limit None

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	2 minutes	5 out of 5

Score for this quiz: 5 out of 5

Submitted Jul 3 at 2:18pm

This attempt took 2 minutes.



Question 1

1 / 1 pts

What is the primary purpose of the `astropy` package?

Correct!

- ☒ To perform astronomy and astrophysics with Python
- ☐ To create visualizations of data using Matplotlib
- ☐ To enable web development for astronomy applications
- ☐ To provide tools for scientific computing in Python



Question 2

1 / 1 pts

What does FITS stand for in the context of astronomical data?

Correct!

- ☒ Flexible Image Transport System
- ☐ Flexible Image Transfer System
- ☐ Fast Image Transmission System
- ☐ File Image Transfer Standard



Question 3

1 / 1 pts

What is the primary function of FITS in astronomy?

Correct!

- ☒ To store and transport scientific data sets like multidimensional arrays and tables
- ☐ To convert images into different formats such as JPG or PNG
- ☐ To improve the contrast of astronomical images

- ☐ To create 3D visualizations of space objects



Question 4

1 / 1 pts

Which Astropy function is used to open a FITS file?

Correct!

- ☒ fits.open()
☐ astropy.open()
☐ fits.load()
☐ fits.getdata()



Question 5

1 / 1 pts

In the FITS file example, what does the `hdu_list[0].data` represent?

Correct!

- ☒ The primary image data from the FITS file
☐ The header of the FITS file
☐ The dimensions of the file
☐ The metadata of the file

Quiz Score: 5 out of 5

