To execute the code "\_examples\_vision\_object\_detection\_using\_vision\_transformer.ipynb" in Jupyter Notebook, please follow the steps below:

1. Download the "od\_using\_vit" folder to your local machine. Ensure that you have the necessary permissions to access and modify the contents of the folder.
2. Locate the "caltech-101" folder, which contains the datasets required for the code execution.
3. Open Jupyter Notebook on your local machine or in your preferred environment.
4. Navigate to the directory where you downloaded the "\_examples\_vision\_object\_detection\_using\_vision\_transformer.ipynb" file.
5. Open the "\_examples\_vision\_object\_detection\_using\_vision\_transformer.ipynb" file in Jupyter Notebook.
6. In the code snippet, locate the line that specifies the path to the "airplanes" category images:
7. path\_images = "caltech-101/101\_ObjectCategories/airplanes/"
8. Replace "caltech-101/101\_ObjectCategories/airplanes/" with the complete path to the "airplanes" category folder on your system. Make sure to provide the correct path, including the folder name and any necessary subfolders.
9. Similarly, locate the line that specifies the path to the annotations folder:
10. path\_annot = "caltech-101/Annotations/Airplanes\_Side\_2/"
11. Replace "caltech-101/Annotations/Airplanes\_Side\_2/" with the complete path to the annotations folder on your system. Ensure that you provide the correct path, including the folder name and any necessary subfolders.
12. Save the changes to the notebook.
13. Execute the code cells in the notebook to run the object detection using the Vision Transformer model.

By following these steps, you will be able to execute the "\_examples\_vision\_object\_detection\_using\_vision\_transformer.ipynb" code in Jupyter Notebook. Ensure that you have the necessary datasets and provide the correct paths for the "caltech-101" folder and its subfolders to ensure successful execution.