```python
def compute_explained_variance(self, eigen_vals):
    """
    sort eigen values and compute explained variance.
    explained variance informs the amount of information (variance)
    can be attributed to each of  the principal components.
    :param eigen_vals:
    :return: explained variance.
    """
    # your code here

    eigen_vals = np.sort(eigen_vals)[::-1]



    return eigen_vals / np.sum(eigen_vals)
```