

```
mean_user_rating[:, np.newaxis] + similarity.dot(ratings_diff) /  
np.array([np.abs(similarity).sum(axis=1)]).T
```

`np.array()` - You can use the `np array` to create ndarray of a list using the `array()` method.

`dot()` - Pandas **Dataframe.dot()** works similarly like `mul()` method, but instead of returning multiplied separate values, Dot product is returned (Sum of multiplication of values at each index).

`np.newaxis` - The trick is to use the `numpy.newaxis` object as a parameter at the index location in which you want to add the new axis.

`np.abs()` -This mathematical function helps user to calculate absolute value of each element.