Assignment_4.21442

January 16, 2019

1 Write a function to find moving average in an array over a window:

Test it over [3, 5, 7, 2, 8, 10, 11, 65, 72, 81, 99, 100, 150] and window of 3

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In [2]: import numpy as np
        def movingaverage (values, window):
            weights = np.repeat(1.0, window)/window

            MA = np.convolve(values, weights, 'valid')
            return MA

        y = [3, 5, 7, 2, 8, 10, 11, 65, 72, 81, 99, 100, 150]

        Moving_Average_y = movingaverage(y,3)
        print (Moving_Average_y)

[  5.           4.66666667   5.66666667   6.66666667   9.66666667
  28.66666667  49.33333333  72.66666667  84.          93.33333333
 116.33333333]
```

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In [ ]:
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In [ ]:
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