Kamaleshs-MacBook-Pro.local::/Users/kamalesh\_das/Desktop/Python/AcadGild$python Pandas\_Assignment\_9\_1\_2.py

Create a DatetimeIndex that contains each business day of 2015 and use it to index a Series of random numbers

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Top 5 records from DataFrame

------------------------------

Value

2015-01-01 44

2015-01-02 51

2015-01-05 62

2015-01-06 84

2015-01-07 67

Sum of value of wednesday: Value 2830

dtype: int64

Average For each calendar month

------------------------------

Value

2015-01-31 48.590909

2015-02-28 50.300000

2015-03-31 51.954545

2015-04-30 50.090909

2015-05-31 47.714286

2015-06-30 51.954545

2015-07-31 53.695652

2015-08-31 38.380952

2015-09-30 55.454545

2015-10-31 53.590909

2015-11-30 52.238095

2015-12-31 57.304348

For each group of four consecutive calendar months, find the date on which the highest value occurred

----------------------------------------------------------------------------------------------------

Value

2015-01-31 2015-01-30

2015-05-31 2015-04-22

2015-09-30 2015-07-06

2016-01-31 2015-10-06

For validation, printing groups with value:

--------------------------------------------------

Group name: 2015-01-31 00:00:00

Value

2015-01-01 44

2015-01-02 51

2015-01-05 62

2015-01-06 84

2015-01-07 67

2015-01-08 58

2015-01-09 88

2015-01-12 80

2015-01-13 6

2015-01-14 43

2015-01-15 63

2015-01-16 45

2015-01-19 7

2015-01-20 85

2015-01-21 8

2015-01-22 10

2015-01-23 15

2015-01-26 66

2015-01-27 23

2015-01-28 8

2015-01-29 64

2015-01-30 92

Group name: 2015-05-31 00:00:00

Value

2015-02-02 11

2015-02-03 6

2015-02-04 94

2015-02-05 73

2015-02-06 20

2015-02-09 58

2015-02-10 63

2015-02-11 55

2015-02-12 25

2015-02-13 65

2015-02-16 92

2015-02-17 9

2015-02-18 86

2015-02-19 31

2015-02-20 58

2015-02-23 3

2015-02-24 75

2015-02-25 44

2015-02-26 46

2015-02-27 92

2015-03-02 57

2015-03-03 92

2015-03-04 73

2015-03-05 31

2015-03-06 53

2015-03-09 33

2015-03-10 28

2015-03-11 47

2015-03-12 61

2015-03-13 75

2015-03-16 47

2015-03-17 48

2015-03-18 48

2015-03-19 28

2015-03-20 1

2015-03-23 66

2015-03-24 70

2015-03-25 81

2015-03-26 54

2015-03-27 43

2015-03-30 44

2015-03-31 63

2015-04-01 56

2015-04-02 43

2015-04-03 20

2015-04-06 56

2015-04-07 61

2015-04-08 80

2015-04-09 27

2015-04-10 95

2015-04-13 96

2015-04-14 84

2015-04-15 33

2015-04-16 17

2015-04-17 53

2015-04-20 21

2015-04-21 25

2015-04-22 98

2015-04-23 5

2015-04-24 69

2015-04-27 47

2015-04-28 21

2015-04-29 91

2015-04-30 4

2015-05-01 13

2015-05-04 13

2015-05-05 13

2015-05-06 73

2015-05-07 34

2015-05-08 68

2015-05-11 68

2015-05-12 37

2015-05-13 65

2015-05-14 24

2015-05-15 9

2015-05-18 87

2015-05-19 32

2015-05-20 83

2015-05-21 63

2015-05-22 42

2015-05-25 7

2015-05-26 68

2015-05-27 97

2015-05-28 32

2015-05-29 74

Group name: 2015-09-30 00:00:00

Value

2015-06-01 90

2015-06-02 3

2015-06-03 74

2015-06-04 19

2015-06-05 51

2015-06-08 28

2015-06-09 56

2015-06-10 39

2015-06-11 89

2015-06-12 55

2015-06-15 25

2015-06-16 61

2015-06-17 65

2015-06-18 90

2015-06-19 51

2015-06-22 3

2015-06-23 32

2015-06-24 37

2015-06-25 98

2015-06-26 64

2015-06-29 87

2015-06-30 26

2015-07-01 30

2015-07-02 84

2015-07-03 83

2015-07-06 99

2015-07-07 55

2015-07-08 34

2015-07-09 76

2015-07-10 99

2015-07-13 32

2015-07-14 91

2015-07-15 47

2015-07-16 23

2015-07-17 18

2015-07-20 66

2015-07-21 11

2015-07-22 78

2015-07-23 35

2015-07-24 7

2015-07-27 86

2015-07-28 33

2015-07-29 53

2015-07-30 69

2015-07-31 26

2015-08-03 4

2015-08-04 33

2015-08-05 2

2015-08-06 79

2015-08-07 19

2015-08-10 60

2015-08-11 72

2015-08-12 3

2015-08-13 43

2015-08-14 42

2015-08-17 64

2015-08-18 29

2015-08-19 21

2015-08-20 22

2015-08-21 70

2015-08-24 58

2015-08-25 19

2015-08-26 22

2015-08-27 74

2015-08-28 17

2015-08-31 53

2015-09-01 43

2015-09-02 29

2015-09-03 16

2015-09-04 22

2015-09-07 81

2015-09-08 50

2015-09-09 80

2015-09-10 37

2015-09-11 90

2015-09-14 55

2015-09-15 92

2015-09-16 71

2015-09-17 74

2015-09-18 84

2015-09-21 23

2015-09-22 63

2015-09-23 26

2015-09-24 80

2015-09-25 6

2015-09-28 20

2015-09-29 86

2015-09-30 92

Group name: 2016-01-31 00:00:00

Value

2015-10-01 63

2015-10-02 52

2015-10-05 69

2015-10-06 97

2015-10-07 71

2015-10-08 47

2015-10-09 80

2015-10-12 68

2015-10-13 78

2015-10-14 59

2015-10-15 65

2015-10-16 13

2015-10-19 51

2015-10-20 93

2015-10-21 18

2015-10-22 4

2015-10-23 14

2015-10-26 28

2015-10-27 31

2015-10-28 44

2015-10-29 43

2015-10-30 91

2015-11-02 30

2015-11-03 27

2015-11-04 44

2015-11-05 87

2015-11-06 23

2015-11-09 13

2015-11-10 50

2015-11-11 68

2015-11-12 93

2015-11-13 45

2015-11-16 51

2015-11-17 76

2015-11-18 53

2015-11-19 61

2015-11-20 4

2015-11-23 78

2015-11-24 70

2015-11-25 65

2015-11-26 87

2015-11-27 41

2015-11-30 31

2015-12-01 22

2015-12-02 16

2015-12-03 63

2015-12-04 88

2015-12-07 80

2015-12-08 23

2015-12-09 96

2015-12-10 84

2015-12-11 77

2015-12-14 49

2015-12-15 84

2015-12-16 24

2015-12-17 10

2015-12-18 60

2015-12-21 72

2015-12-22 61

2015-12-23 59

2015-12-24 65

2015-12-25 56

2015-12-28 79

2015-12-29 9

2015-12-30 80

2015-12-31 61

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