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· - ( < 0.05)
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, : = 100 + 50000.
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https://www.statology.org/simple-linear-regression/

https://towardsdatascience.com/simple-linear-regression-explained-in-python-with-statsmodels-and-sci kit-learn-66103165595f

https://en.wikipedia.org/wiki/Simple\_linear\_regression

# Video Links:

https://www.youtube.com/watch?v=owI7zxCqNY0

https://www.youtube.com/watch?v=WkVvZreJtmU

https://www.youtube.com/watch?v=hxrM8LJ-27w

https://www.youtube.com/watch?v=FDIR60avpaY

https://www.youtube.com/watch?v=GhrxgbQnEEU

https://www.youtube.com/watch?v=9wX1a1J4WOI

https://www.youtube.com/watch?v=ZkjP5RJLQF4

https://www.youtube.com/watch?v=KsVBBJRb9TE

https://www.youtube.com/watch?v=\_HVmYJH-pFg

https://www.youtube.com/watch?v=ogLNsTrx\_QQ

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   - ( <0.05)
 () (1),
(2), (3).
: = 0 + 11 + 22 + 33
+ . , 1 = 1000, 2 = 50000,
3 = 20000. ,
1000,
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20000, . -
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https://www.statisticssolutions.com/multiple-linear-regression/

https://towardsdatascience.com/multiple-linear-regression-in-python-using-scikit-learn-c6d7979e297f https://en.wikipedia.org/wiki/Multiple\_linear\_regression

# Video Links:

https://www.youtube.com/watch?v=zITIFTsivN8

https://www.youtube.com/watch?v=Ew\_uyYjow1w

https://www.youtube.com/watch?v=dQNpSa-bq4M

https://www.youtube.com/watch?v=9Q5ErbQF\_vk

https://www.youtube.com/watch?v=m-k84cCves8

https://www.youtube.com/watch?v=EqP\_DupX3-c

https://www.youtube.com/watch?v=ZGlzh57o3T8

https://www.youtube.com/watch?v=i-JzjqLoxUQ

https://www.youtube.com/watch?v=EkAQAi3a4js&pp;=ygUMI3Jlc2dyZXNzaW9u

https://www.youtube.com/watch?v=wPJ1\_Z8b0wk&pp;=ygUXI3Byb2dnZXNpb25vcnJIZ3JIc3Npb24%3D

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**:** (1, 2), (2, 3), (3, 6), (4, 11).

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,) (1, 1, 2) (2, 4, 3) (3, 9, 6) (4, 16, 11)

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https://scikit-learn.org/stable/modules/linear\_model.html#polynomial-regression

https://www.geeksforgeeks.org/python-implementation-of-polynomial-regression/

https://towardsdatascience.com/polynomial-regression-bbe8b9d97491

#### Video Links:

https://www.youtube.com/watch?v=QptI-vDle8Y&pp;=ygUVcG9seW5vbWIhbCByZWdyZXNzaW9u

https://www.youtube.com/watch?v=Qnt2vBRW8lo

https://www.youtube.com/watch?v=5wrPSB7rXks

https://www.youtube.com/watch?v=2YzF9D\_r16o

https://www.youtube.com/watch?v=UedwCvFGlvU

https://www.youtube.com/watch?v=nqNdBIA-j4w&pp;=ygUdI3BvbHlub21pYWxyZWdyZXNzaW9uYW5hbHlzaXM%3D

https://www.youtube.com/watch?v=m-vKo93Hcp8 https://www.youtube.com/watch?v=DcHvXTtsajl https://www.youtube.com/watch?v=H8kocPOT5v0 https://www.youtube.com/watch?v=UzIOKOr-s-w

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#### Reference:

https://scikit-learn.org/stable/modules/linear\_model.html#ridge-regression

https://www.statlearning.com/

https://en.wikipedia.org/wiki/Ridge\_regression

# Video Links:

https://www.youtube.com/watch?v=Q81RR3yKn30

https://www.youtube.com/watch?v=OEU22e20tWw

https://www.youtube.com/watch?v=9LNpiiKCQUo

https://www.youtube.com/watch?v=6WldQjzAxUM

https://www.youtube.com/watch?v=cR9vXkS4ulU

https://www.youtube.com/watch?v=5asL5Eq2x0A

https://www.youtube.com/watch?v=LCBKjKRnqSU

https://www.youtube.com/watch?v=mpuKSovz9xM

https://www.youtube.com/watch?v=c3SkmBZ0HZw

https://www.youtube.com/watch?v=JXUZQjgjs9g

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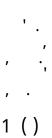
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https://scikit-learn.org/stable/modules/linear\_model.html#lasso https://en.wikipedia.org/wiki/Lasso\_(statistics) https://www.statlearning.com/

#### Video Links:

https://www.youtube.com/watch?v=NGf0voTMlcs
https://www.youtube.com/watch?v=jbwSCwoT51M
https://www.youtube.com/watch?v=9LNpiiKCQUo
https://www.youtube.com/watch?v=bPFjfZWWQO0
https://www.youtube.com/watch?v=39OoHo1TGiQ
https://www.youtube.com/watch?v=gmHzz4244ss
https://www.youtube.com/watch?v=LCBKjKRnqSU
https://www.youtube.com/watch?v=LmpBt0tenJE
https://www.youtube.com/watch?v=cVFYhlCCI\_8
https://www.youtube.com/watch?v=9cwoCR6BSIQ



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https://scikit-learn.org/stable/modules/linear\_model.html#ridge-regression https://towardsdatascience.com/l1-and-l2-regularization-methods-ce25e76b895c https://www.analyticsvidhya.com/blog/2021/05/ridge-and-lasso-regression-techniques/

#### Video Links:

https://www.youtube.com/watch?v=bOIPwdWso\_0

https://www.youtube.com/watch?v=3ov8cUCfqq0

https://www.youtube.com/watch?v=r\_c554LAFVw

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https://www.youtube.com/watch?v=EehRcPo1M-Q