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JOSEPH GAMBINO OCTOBER 5, 2017



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Metis (moon)

From Wikipedia, the free encyclopedia

Not to be confused with 9 Metis.

Metis (/mitts/; Greek: Μήτις), also known as Jupiter XVI, is the innermost moon of Jupiter. It was discovered in 1979 in images taken by *Voyager 1*, and was named in 1983 after the first wife of Zeus, Metis. Additional observations made between early 1996 and September 2003 by the *Galileo* spacecraft allowed its surface to be imaged.

Metis is tidally locked to Jupiter, and its shape is strongly asymmetrical, with one of the diameters being almost twice as large as the smallest one. It is also one of the two moons known to orbit Jupiter in less than the length of Jupiter's day, the other being Adrastea. It orbits within the main ring of Jupiter, and is thought to be a major contributor of material to the rings.

Contents [hide]

- Discovery and observations
- 2 Physical characteristics
- 3 Orbit and rotation
- 4 Relationship with Jupiter's rings
- 5 See also
- 6 Notes
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Discovery and observations [edit]

Metis was discovered in 1979 by Stephen P. Synnott in images taken by the *Voyager 1* probe and was provisionally designated as S/1979 J 3.^{[5][6]} In 1983 it was officially named after the mythological Metis, a Titaness who was the first wife of Zeus (the Greek equivalent of Jupiter).^[7] The photographs taken by *Voyager 1* showed Metis only as a dot, and hence knowledge about Metis was very limited until the arrival of the *Gailleo* spacecraft. *Gailleo* imaged almost all of the surface of Metis and put constraints on its composition by 1998.^[3]

Although the Juno orbiter, which arrived at Jupiter in 2016, has a camera called JunoCam, it is almost entirely focused on observations of Jupiter itself. However, if all goes well it should be able to capture some limited images of the innermost moons Metis and Adrastea.^[8]

Physical characteristics [edit]

Metis has an irregular shape and measures $60 \times 40 \times 34$ km across, which makes it the second smallest of the four inner satellites of Jupiter.^[3] Therefore, a very rough estimate of its surface area could be placed between 5,800 and 11,600 square kilometers (approx. 8,700). The bulk composition and mass of Metis are not known, but assuming that its mean density is like that of Amalthea (~0.86 g/cm³),^[9] its mass can be estimated as ~3.6×10¹⁶ kg. This density would imply that it

Metis

Q

(+)

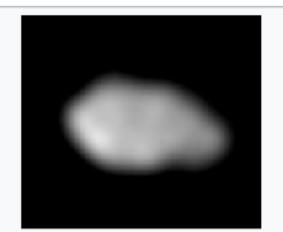


image of Metis was taken by Galileo's solidstate imaging system between November 1996

and June 1997

Discovery

Discovered by S. Synnott

Discovery date 4 March 1979

Orbital characteristics

Periapsis 127 974 km^[a]
Apoapsis 128 026 km^[a]

Mean orbit radius 128 000 km (1.792

 R_J [1][2]

Eccentricity 0.0002^{[1][2]}

Orbital period 0.294 780 d

(7 h, 4.5 min)^{[1][2]}

Average orbital speed

31.501 km/s^[a]

Inclination 0.06° (to Jupiter's

equator)[1][2]

Satellite of Jupiter

Mass

Physical characteristics

 Dimensions
 $60 \times 40 \times 34 \text{ km}^{3[3]}$

 Mean radius
 $21.5 \pm 2.0 \text{ km}^{[3]}$

Volume ≈42 700 km³

~3.6×10¹⁶ kg



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Metis (moon): Revision history

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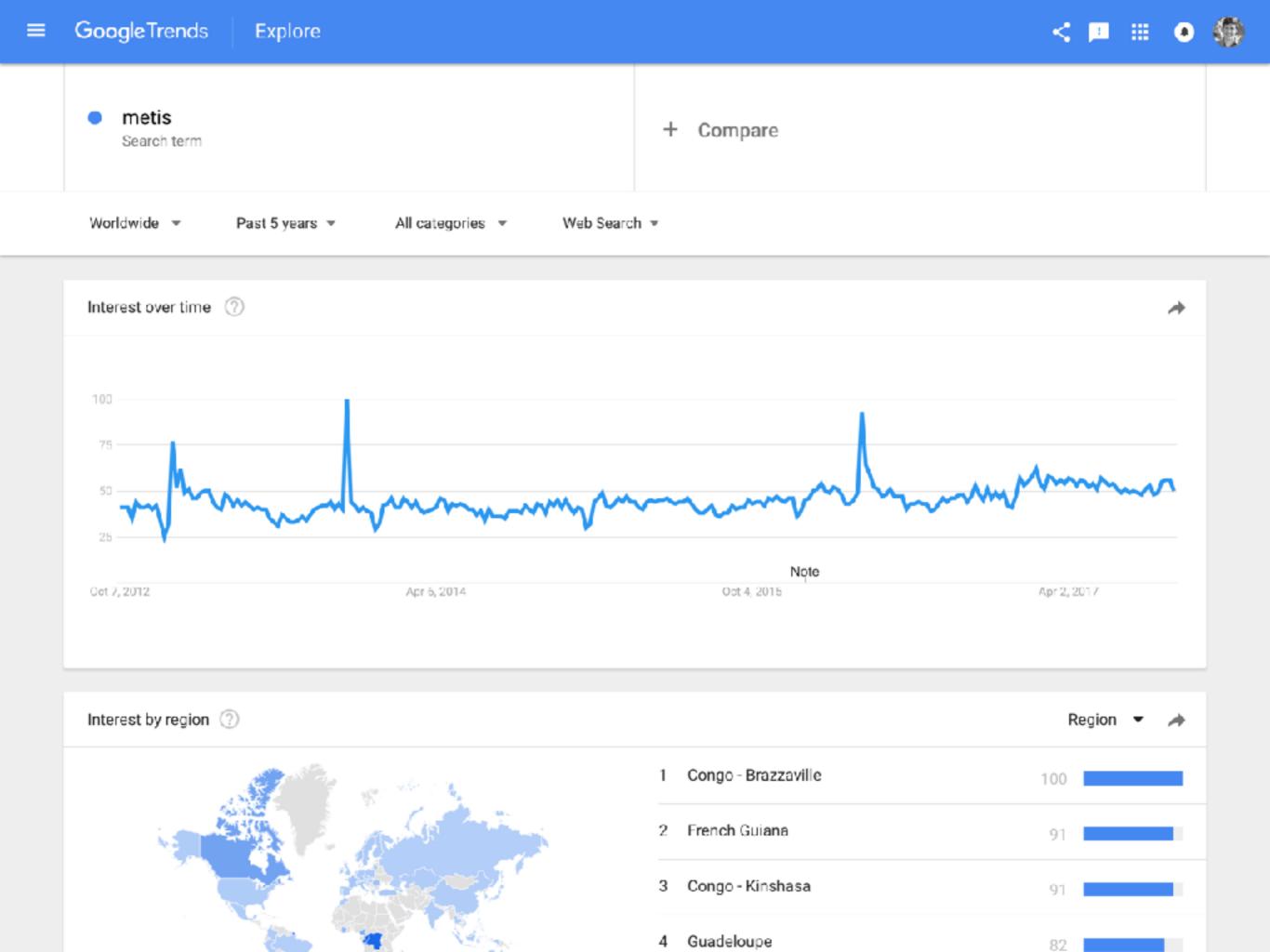
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- Minor Edits



• Search Interest



Features

Target



- Change in page size
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- Minor Edits



Change on the Week



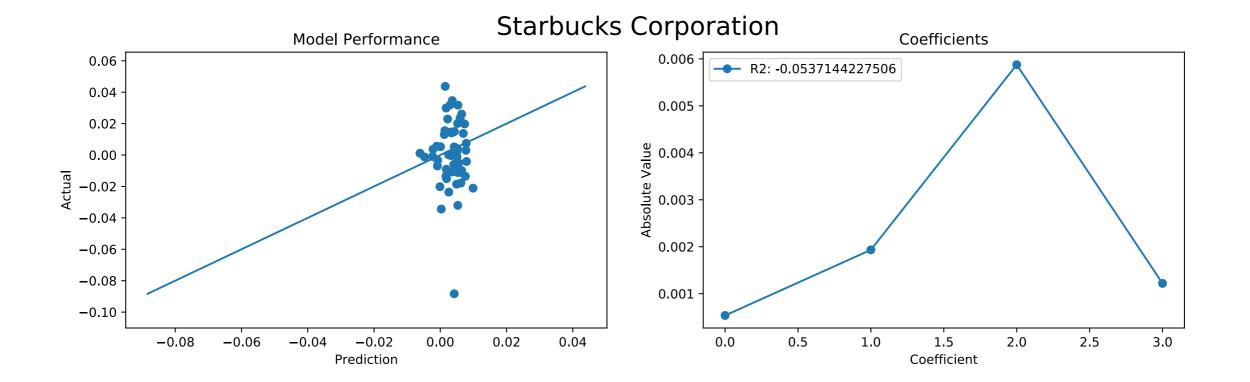
• Search Interest



First Model: Looking at a specific company



Simple Linear Regression





Second Model: Judging a company against the market



Basket of Companies

AMZN: Amazon.com, Inc.

SBUX: Starbucks Corporation

TSLA: Tesla, Inc.

COST: Costco Wholesale Corporation

HAS: Hasbro, Inc.

AAL: American Airlines Group, Inc.

FOX: Twenty-First Century Fox, Inc.

MAR: Marriott International

ADSK: Autodesk, Inc.

ALXN: Alexion Pharmaceuticals, Inc.



Basket of Companies

AMZN: Amazon.com, Inc.	R^2 : -0.024
SBUX: Starbucks Corporation	R2: -0.001
TSLA: Tesla, Inc.	R ² : -0.005
COST: Costco Wholesale Corporation	R ² : -0.004
HAS: Hasbro, Inc.	R ² : -0.012
AAL: American Airlines Group, Inc.	R ² : -0.001
FOX: Twenty-First Century Fox, Inc.	R ² : -0.067
MAR: Marriott International	R ² : -0.001
ADSK: Autodesk, Inc.	R2: -0.001
ALXN: Alexion Pharmaceuticals, Inc.	R ² : -0.006



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Look up thank-you, thank you, or thankyou in Wiktionary, the free dictionary.

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Q

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- 3 See also

Thank You

From Wikipedia, the free encyclopedia (Redirected from Thank you)

"Thank you" is a common expression of gratitude. It often refers to a thank you letter, a letter written to express appreciation.

Thank You or Thank U may also refer to:

Film and television [edit]

- Thank You (1925 film), an American film directed by John Ford
- Thank You (2011 film), a Bollywood romantic comedy
- Thank You (2013 film), a Malayalam drama thriller film.
- Thank You (TV series), a 2007 South Korean television series

Episodes

- "Thank You" (Adventure Time)
- "Thank You" (The Walking Dead)

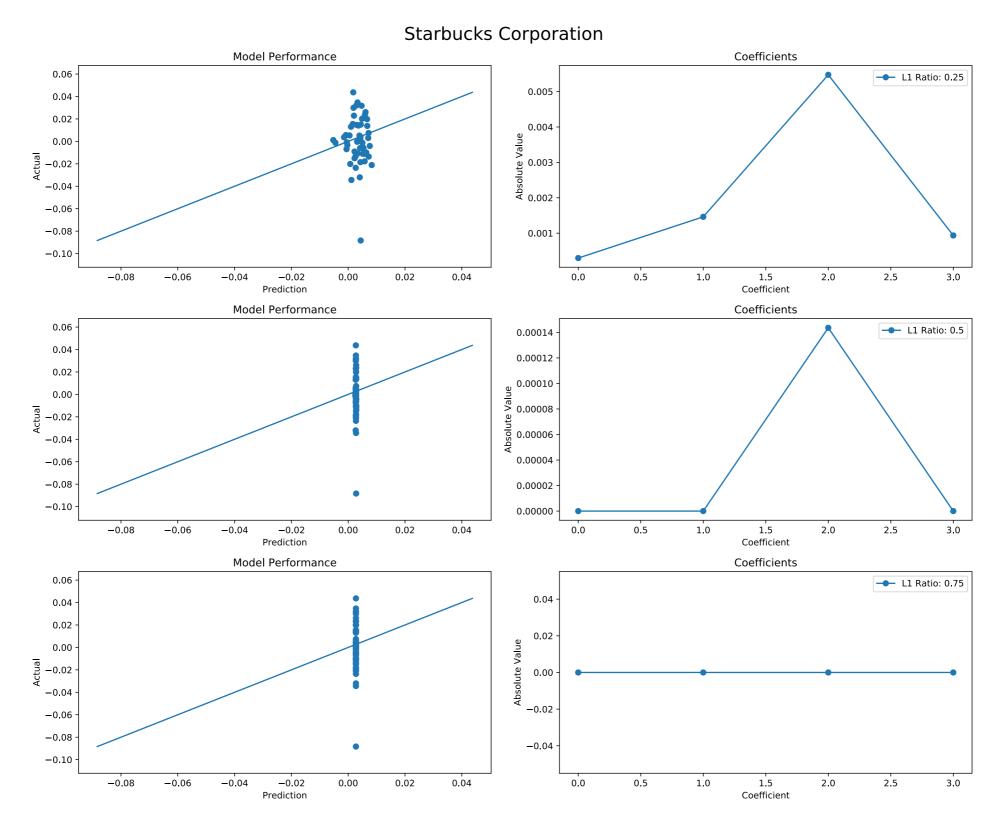
Music [edit]

Albums [edit]

- Thank You (Declan Galbraith album), 2006
- Thank You (Duran Duran album), 1995
- Thank You (Jamelia album), 2003
- Thank You (Meghan Trainor album), 2016
- Thank You (Royal Trux album), 1995
- Thank You (Stone Temple Pilots album), 2003
- Thank You (Zemfira album), 2007
- Thank You (TRR50), a compilation album from the record label Temporary Residence Limited, 2004.
- Thank You (For Letting Us Be Ourselves), by Hardcore Superstar, 2001
- Thank You...Goodnight!, by Great White, 2002.
- Thank U (album), by CNBLUE, 2010
- Thank You, by Michael Schenker, 1993
- Thank You, by Monkey Majik, 2006
- Thank You, by Nicoleta Alexandru, 2009
- Thank You, by Puffy AmiYumi, 2011
- Thank You, by Ray Boltz, 1988

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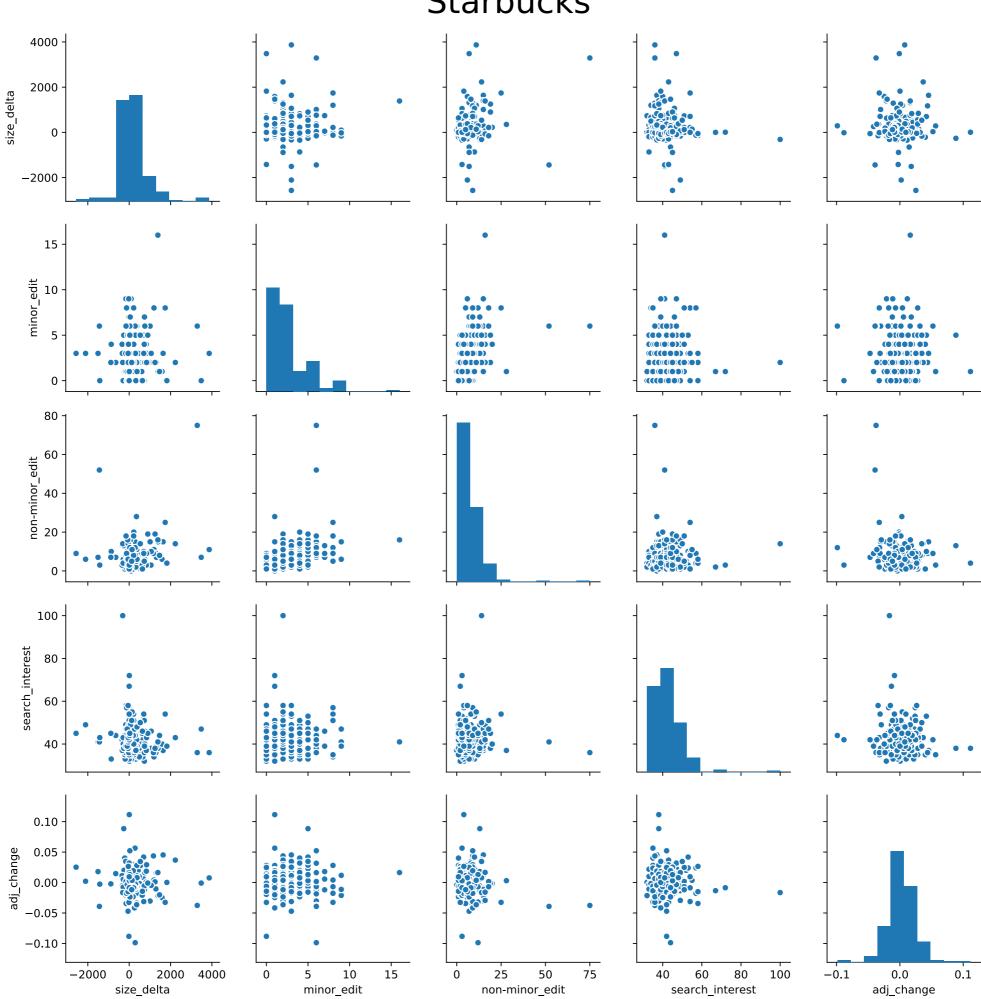


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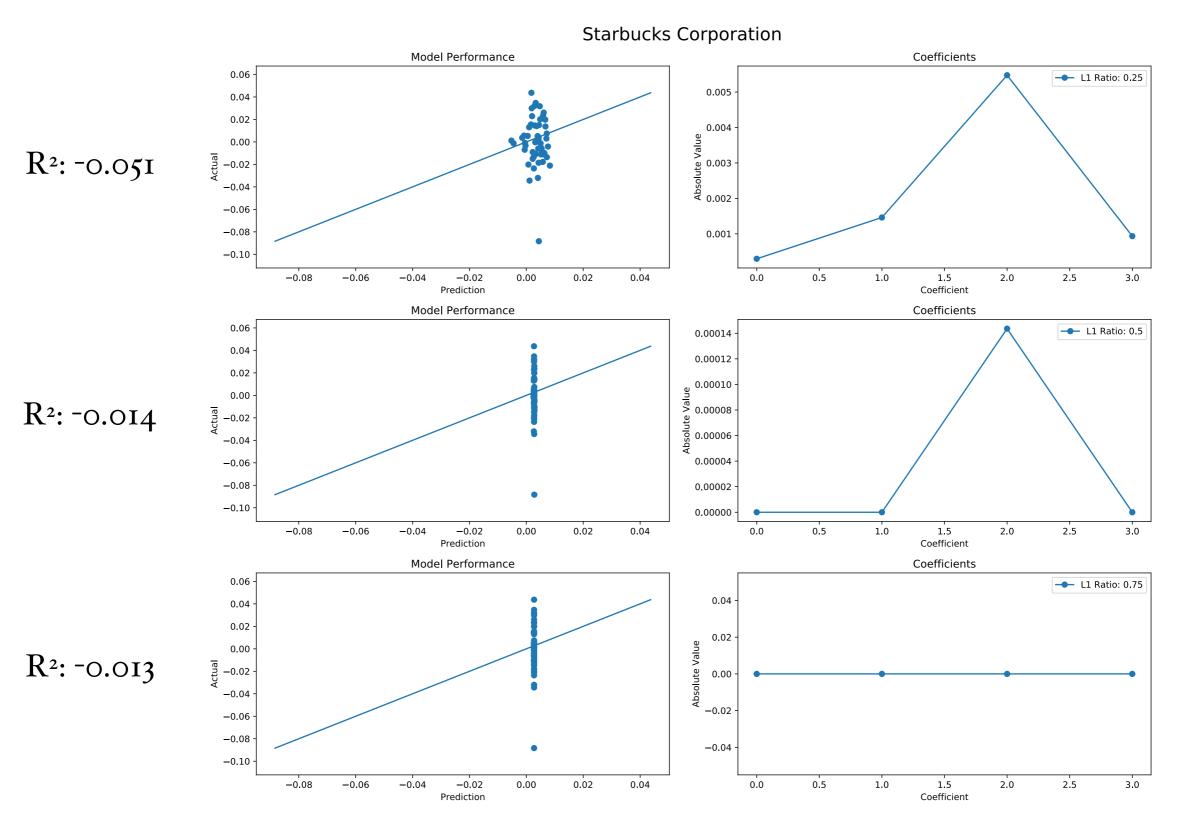
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Starbucks



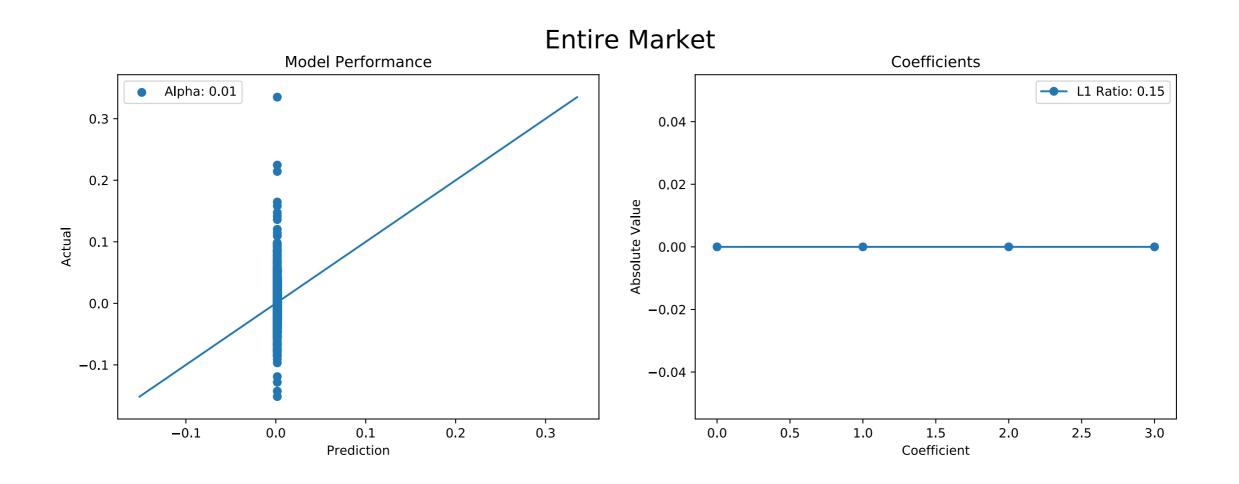




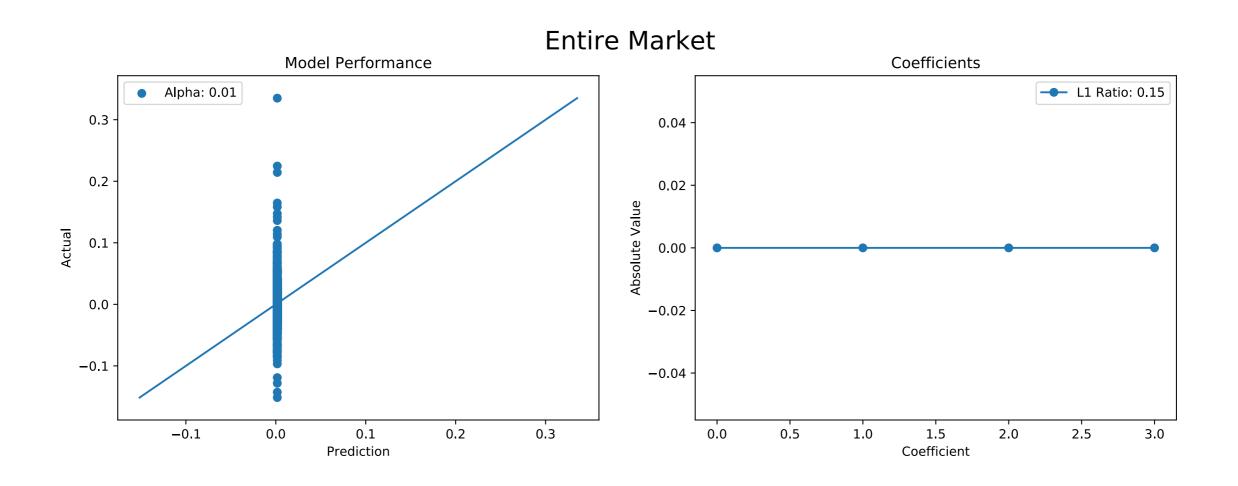


Third Model Looking at the Market









 R^2 : 0.000

