

Fault Bearing Statistical Overview

faultClass

AID

AOD

HBD

RBD

RID

ROD

bearingCode

All

-6.46

Minimum

6.66

Maximum

0.01

Mean

0.10

SD

0.20

Mean RMS

0.04

Mean skewness

15.98

Mean kurtosis

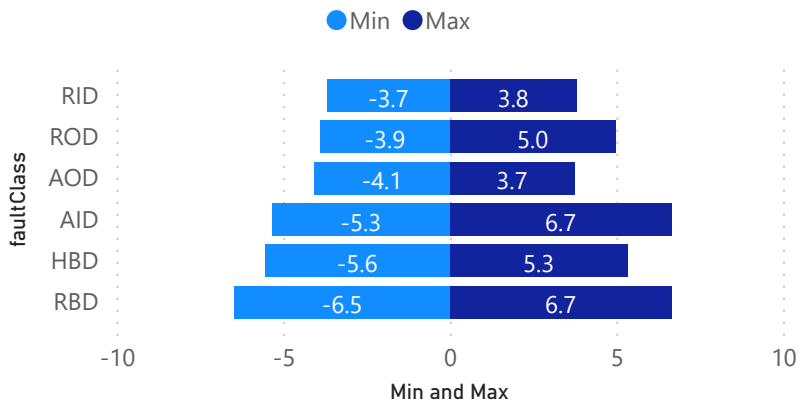
243.04

Mean form

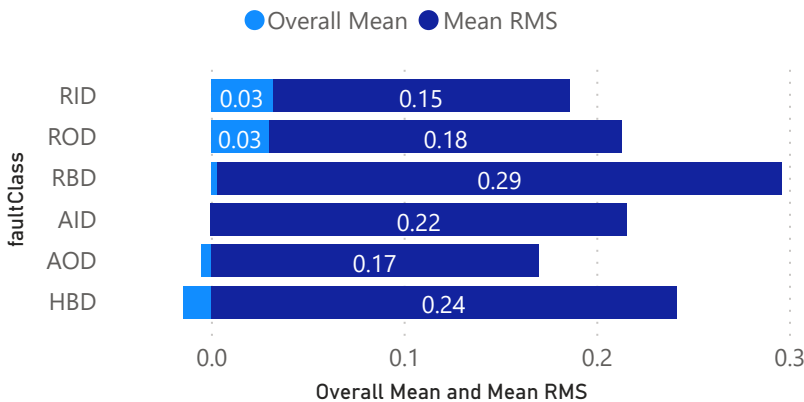
13.07

Mean crest

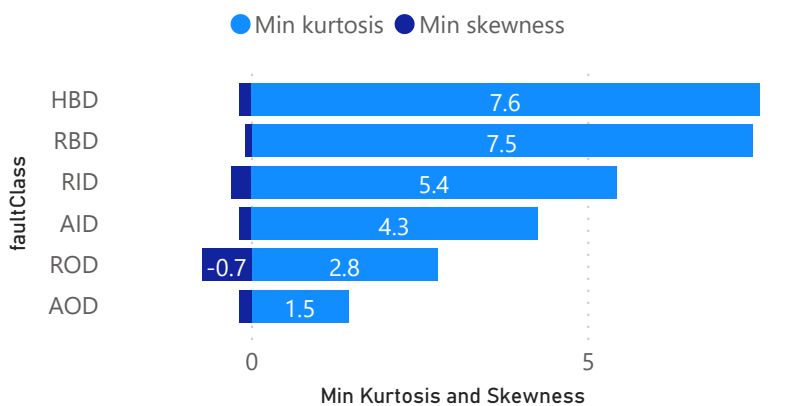
Min and Max by fault Class



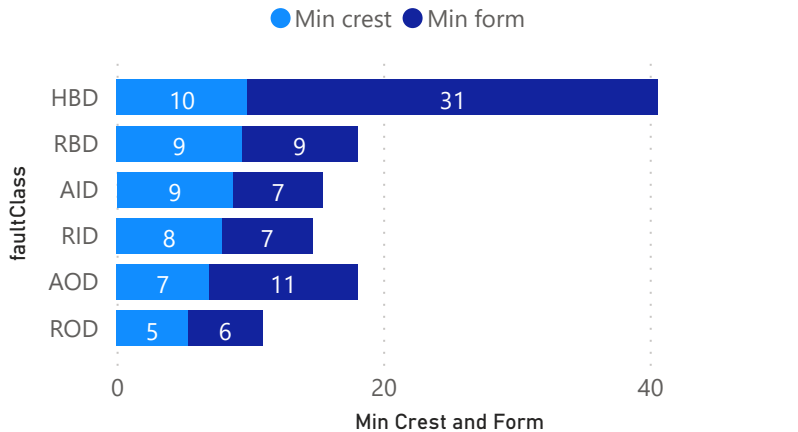
Overall Mean and Mean RMS by faultClass



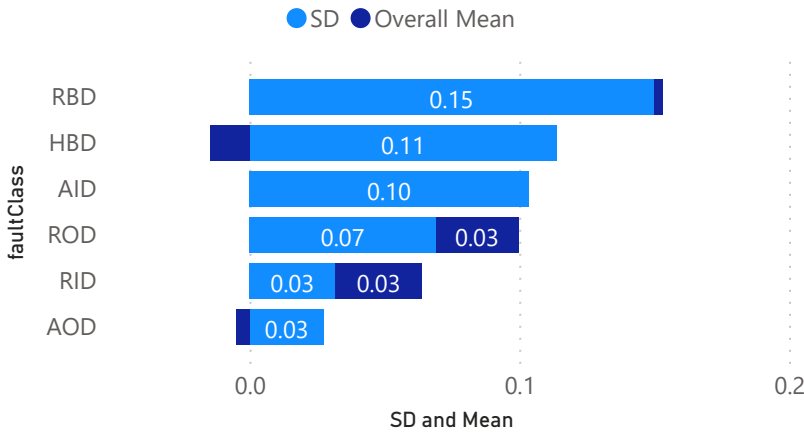
Min kurtosis and Min skewness by faultClass



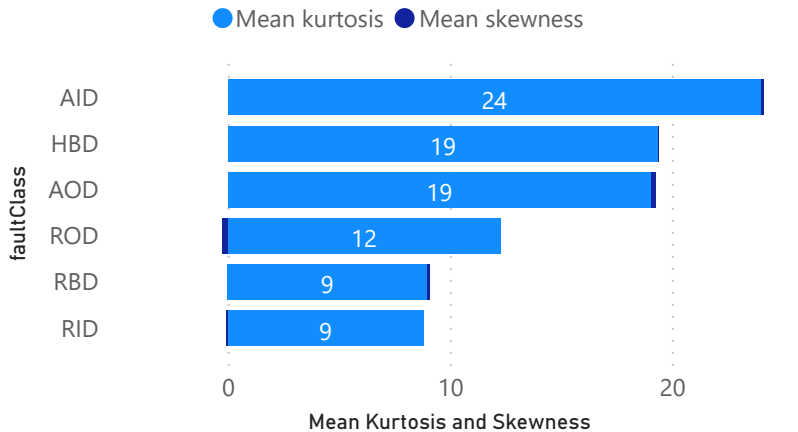
Min crest and Min form by faultClass



SD and Overall Mean by faultClass



Mean kurtosis and Mean skewness by faultClass



Fault Bearing Statistical Report

faultClass

AID

AOD

HBD

RBD

RID

ROD

bearingCode

All

-6.46

Minimum

6.66

Maximum

0.01

Mean

0.10

SD

0.20

Mean RMS

0.04

Mean skewness

15.98

Mean kurtosis

243.04

Mean form

13.07

Mean crest

faultClass	Min	Max	Overall Mean	Min RMS	Mean RMS	Min SD	Mean SD	Max SD	Min Skewness	Mean skewness	Min kurtosis	Mean kurtosis	Mean Form	Mean Crest	Total Bearings
RID	-3.68	3.81	0.03	0.12	0.15	0.11	0.15	0.21	-0.29	-0.05	5.44	8.83	51.09	10.96	120
ROD	-3.89	4.98	0.03	0.10	0.18	0.09	0.18	0.34	-0.73	-0.23	2.78	12.29	111.92	10.45	100
AOD	-4.06	3.74	0.00	0.14	0.17	0.13	0.17	0.23	-0.18	0.20	1.45	19.08	170.64	14.76	140
AID	-5.33	6.66	0.00	0.11	0.22	0.10	0.21	0.42	-0.17	0.13	4.26	24.03	421.51	15.78	100
HBD	-5.55	5.34	-0.01	0.10	0.24	0.10	0.24	0.40	-0.17	0.03	7.56	19.40	391.95	13.82	120
RBD	-6.46	6.66	0.00	0.12	0.29	0.11	0.29	0.50	-0.09	0.11	7.46	8.96	419.15	11.72	60
Total	-6.46	6.66	0.01	0.10	0.20	0.09	0.20	0.50	-0.73	0.04	1.45	15.98	243.04	13.07	640

bearingCode	Min	Max	Overall Mean	Min RMS	Mean RMS	Min SD	Mean SD	Max SD	Min Skewness	Mean skewness	Min kurtosis	Mean kurtosis	Mean Form	Mean Crest	Total Bearings
AID_KI03	-1.14	1.62	0.04	0.11	0.11	0.10	0.11	0.11	-0.06	0.04	4.26	4.92	6.97	10.48	20
AOD_KA03	-1.36	1.37	0.04	0.14	0.14	0.13	0.14	0.14	-0.03	0.02	1.45	1.80	12.44	8.24	20
ROD_KA15	-1.48	1.54	0.04	0.12	0.12	0.11	0.11	0.11	-0.06	0.04	12.03	14.18	7.41	11.42	20
ROD_KA22	-1.48	1.68	0.04	0.10	0.10	0.09	0.09	0.10	-0.06	0.00	15.32	16.05	6.22	12.23	20
RID_KI14	-1.54	1.65	0.04	0.12	0.12	0.11	0.11	0.12	-0.04	0.03	9.23	10.32	8.15	10.84	20
RID_KI21	-1.54	1.89	0.04	0.14	0.14	0.13	0.13	0.14	-0.01	0.03	7.27	8.02	10.57	10.36	20
RID_KI17	-1.56	1.82	0.04	0.12	0.12	0.11	0.12	0.12	-0.07	0.02	6.00	7.17	9.36	10.92	20
HB_K005	-1.73	1.86	-0.02	0.11	0.12	0.11	0.11	0.13	-0.06	-0.01	7.56	10.71	33.97	11.86	20
HB_K004	-1.77	1.85	-0.02	0.10	0.10	0.10	0.10	0.11	-0.12	-0.01	13.74	14.64	40.13	13.13	20
RBD_KB27	-1.93	1.81	0.04	0.12	0.12	0.11	0.11	0.12	-0.09	0.01	8.32	9.89	9.25	11.07	20
RID_KI18	-2.02	2.00	0.04	0.16	0.17	0.16	0.16	0.16	-0.23	-0.16	6.01	6.33	16.64	9.45	20
RID_KI16	-2.08	1.78	0.04	0.17	0.17	0.17	0.17	0.17	-0.29	-0.25	5.44	6.26	17.93	8.89	20
Total	-6.46	6.66	0.01	0.10	0.20	0.09	0.20	0.50	-0.73	0.04	1.45	15.98	243.04	13.07	640

Fault Bearing Statistical Analysis

faultClass

AID

AOD

HBD

RBD

RID

ROD

bearingCode

All

-6.46

Minimum

6.66

Maximum

0.01

Mean

0.10

SD

0.20

Mean RMS

0.04

Mean skewness

15.98

Mean kurtosis

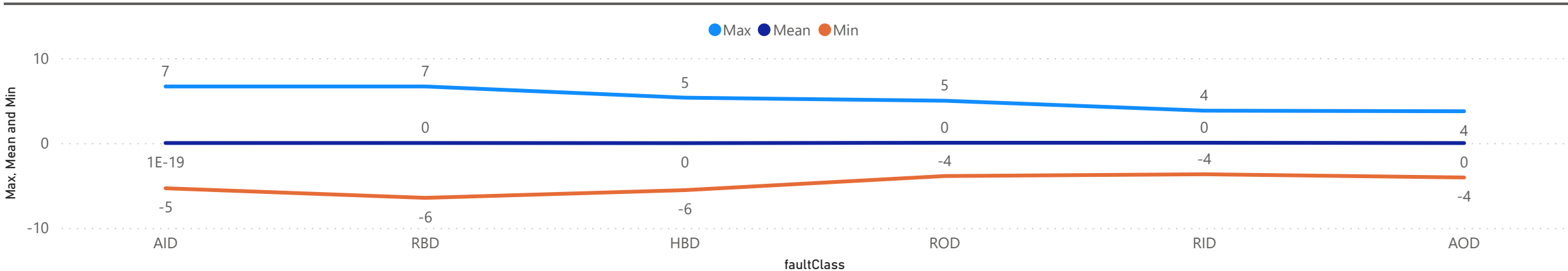
243.04

Mean form

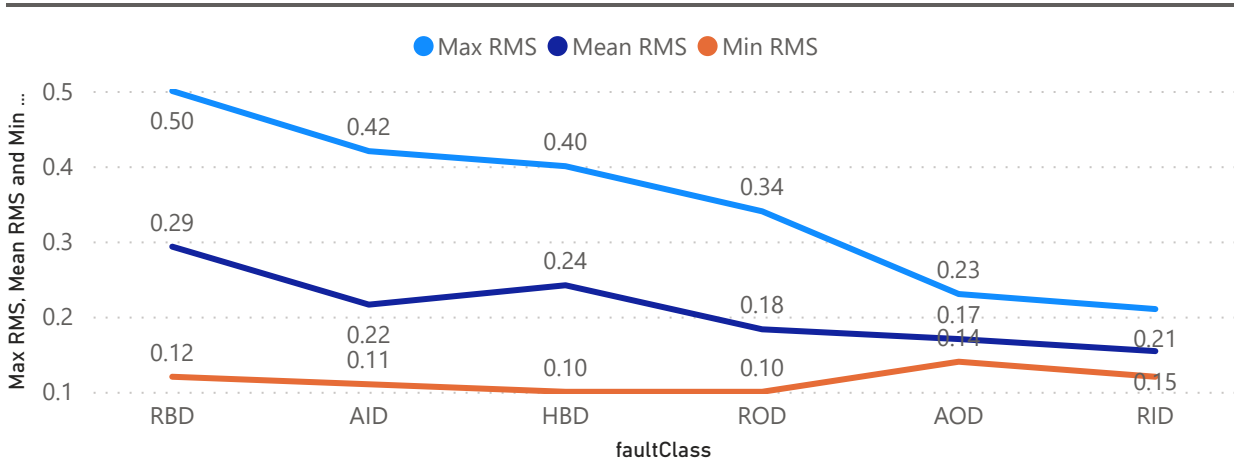
13.07

Mean crest

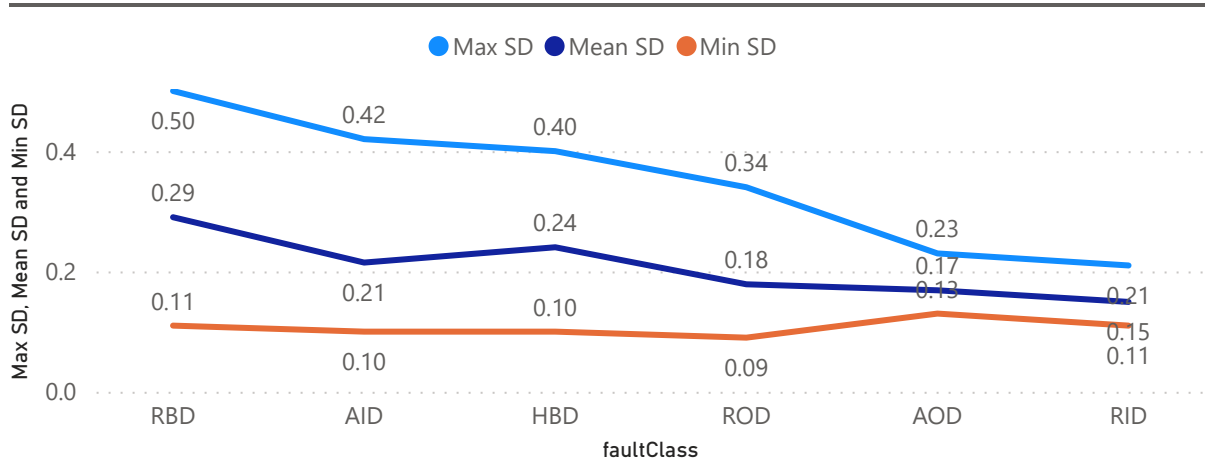
Max, Mean, Min by fault Class



Max, Mean, Min RMS by fault Class



Max, Mean, Min SD by fault Class



Fault Bearing Statistical Overview

faultClass

AID

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bearingCode

All

-6.46

Minimum

6.66

Maximum

0.01

Mean

0.10

SD

0.20

Mean RMS

0.04

Mean skewness

15.98

Mean kurtosis

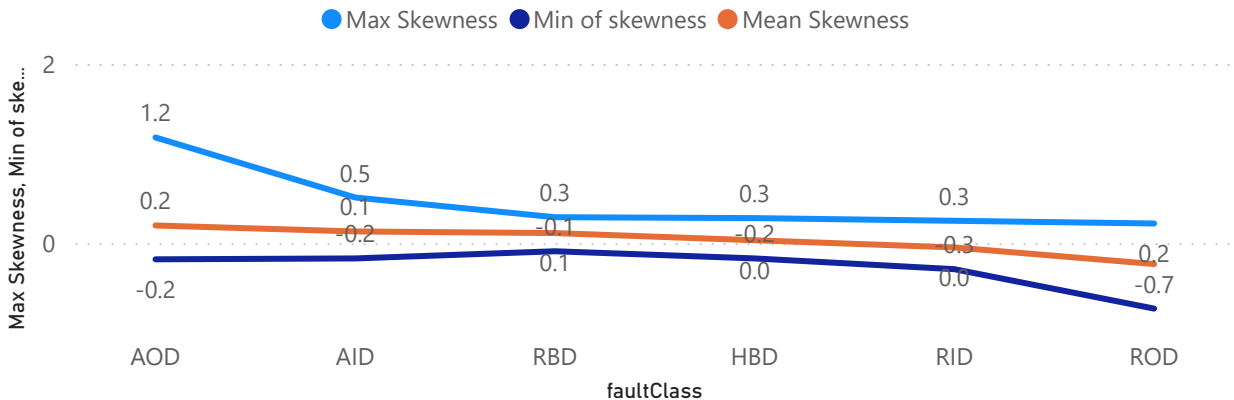
243.04

Mean form

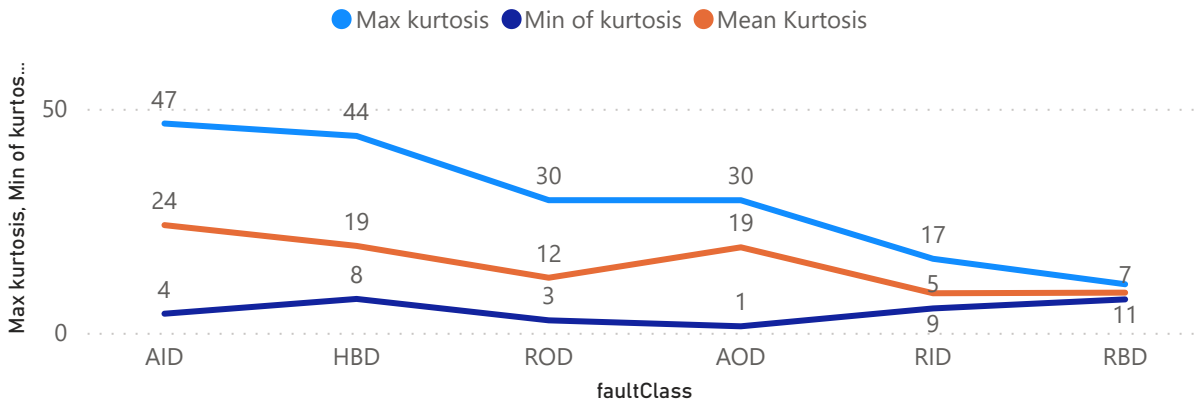
13.07

Mean crest

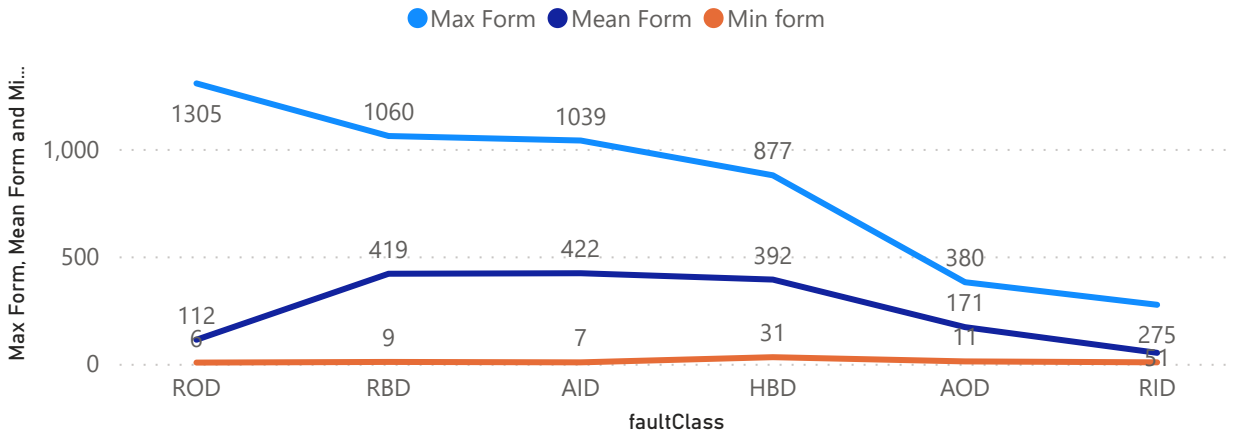
Max, Mean, Min Skewness by fault Class



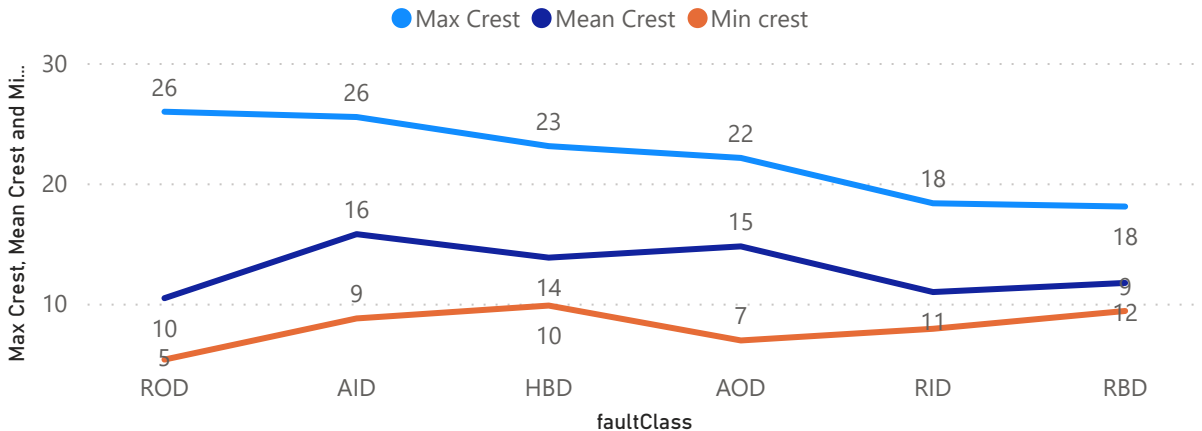
Max, Mean, Min Kurtosis by fault Class



Max, Mean, Min Form by fault Class



Max, Mean, Min Crest by fault Class



Decomposition
Analysis

faultClass

AID

AOD

HBD

RBD

RID

ROD

bearingCode

All

-6.46

Minimum

6.66

Maximum

0.01

Mean

0.10

SD

0.20

Mean RMS

0.04

Mean skewness

15.98

Mean kurtosis

243.04

Mean form

13.07

Mean crest

faultClass

Bearing Code

RID

Min
-6.46

RID

-3.68

ROD

-3.89

AOD

-4.06

AID

-5.33

HBD

-5.55

RBD

-6.46

RID_KI14

-1.54

RID_KI21

-1.54

RID_KI17

-1.56

RID_KI18

-2.02

RID_KI16

-2.08

RID_KI04

-3.68

faultClass

Bearing Code

AID

Max
6.66

AID

6.66

RBD

6.66

HBD

5.34

ROD

4.98

RID

3.81

AOD

3.74

AID_KI01

6.66

AID_KI05

4.48

AID_KI07

4.11

AID_KI08

3.88

AID_KI03

1.62

Fault Bearing Key Factors

faultClass

AID

AOD

HBD

RBD

RID

ROD

bearingCode

All

-6.46

Minimum

6.66

Maximum

0.01

Mean

0.10

SD

0.20

Mean RMS

0.04

Mean skewness

15.98

Mean kurtosis

243.04

Mean form

13.07

Mean crest

Key influencers Top segments

What influences faultClass to be AID ?

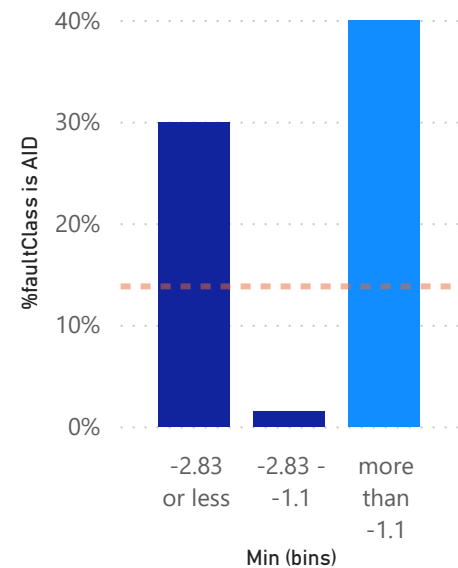
When...

...the likelihood of faultClass being AID increases by

Min is more than -1.1

2.90x

← faultClass is more likely to be AID when Min is more than -1.1 than otherwise (on average).



☐ Only show values that are influencers

Key influencers Top segments

What influences faultClass to be AID ?

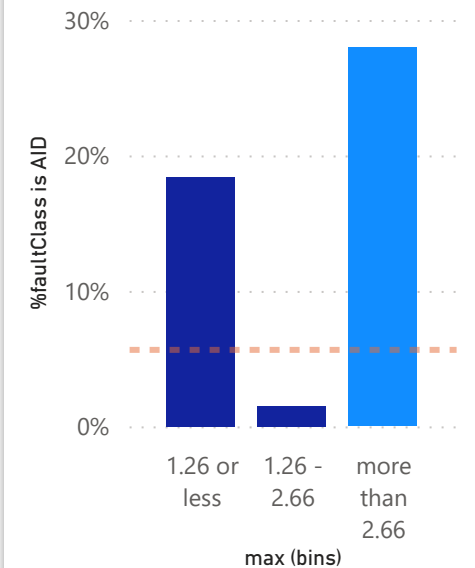
When...

...the likelihood of faultClass being AID increases by

max is more than 2.66

4.95x

← faultClass is more likely to be AID when max is more than 2.66 than otherwise (on average).



☐ Only show values that are influencers

Decomposition
Analysis

faultClass

AID

AOD

HBD

RBD

RID

ROD

bearingCode

All

-6.46

Minimum

6.66

Maximum

0.01

Mean

0.10

SD

0.20

Mean RMS

0.04

Mean skewness

15.98

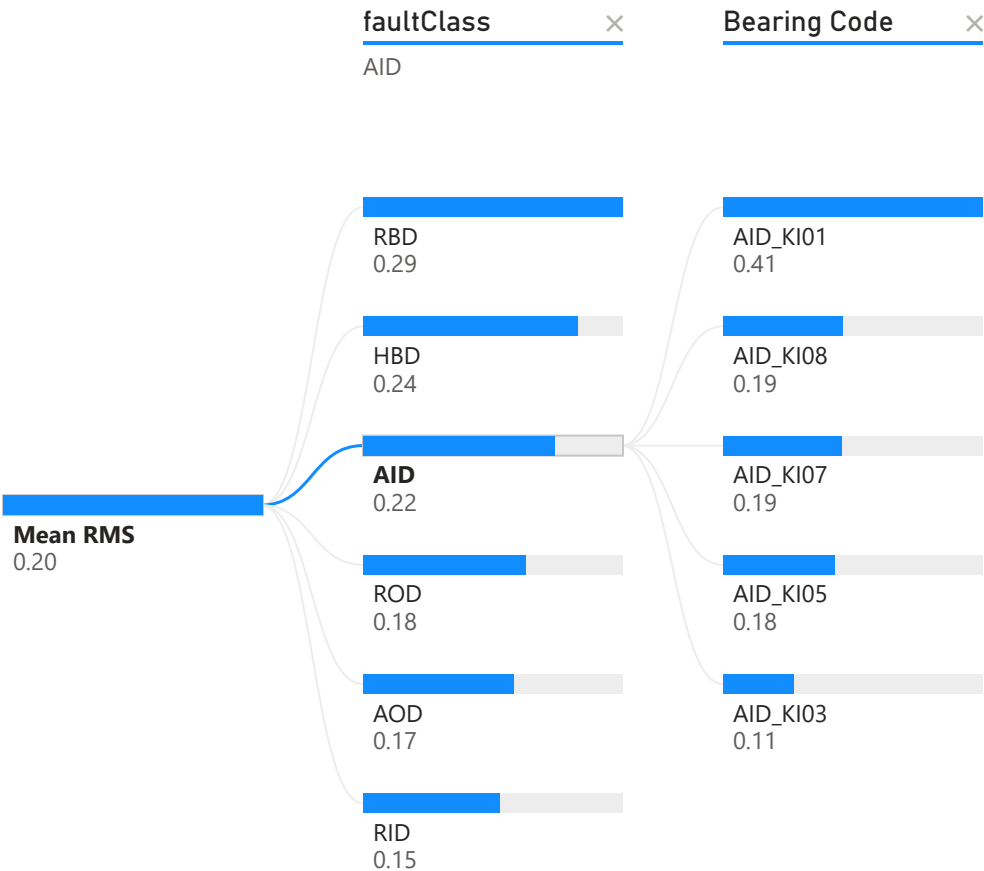
Mean kurtosis

243.04

Mean form

13.07

Mean crest



Fault Bearing Key Factors

faultClass

AID

AOD

HBD

RBD

RID

ROD

bearingCode

All

-6.46

Minimum

6.66

Maximum

0.01

Mean

0.10

SD

0.20

Mean RMS

0.04

Mean skewness

15.98

Mean kurtosis

243.04

Mean form

13.07

Mean crest

Key influencers Top segments



What influences faultClass to be RBD ?

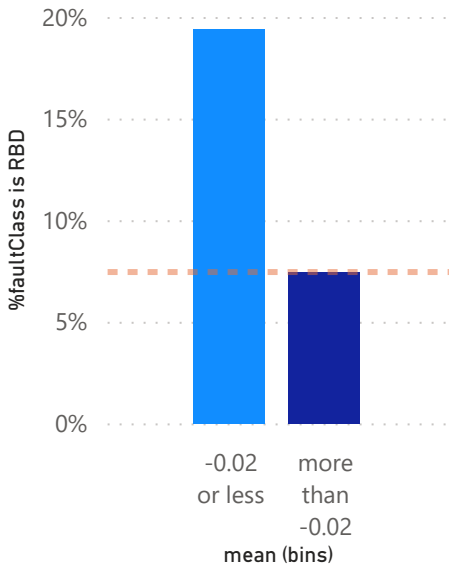
When...

...the likelihood of faultClass being RBD increases by

mean is -0.02 or less

2.61x

← faultClass is more likely to be RBD when mean is -0.02 or less than otherwise (on average).



☐ Only show values that are influencers

Key influencers Top segments



What influences faultClass to be AID ?

When...

...the likelihood of faultClass being AID increases by

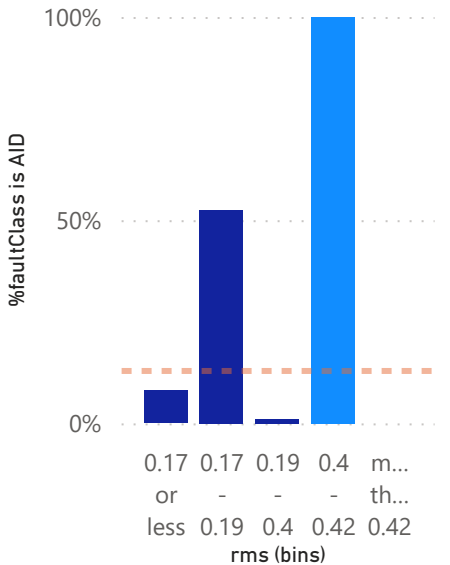
rms is 0.4 - 0.42

7.75x

rms is 0.17 - 0.19

5.83x

← faultClass is more likely to be AID when rms is 0.4 - 0.42 than otherwise (on average).



☐ Only show values that are influencers

Decomposition
Analysis

faultClass

AID

AOD

HBD

RBD

RID

ROD

bearingCode

All

-6.46

Minimum

6.66

Maximum

0.01

Mean

0.10

SD

0.20

Mean RMS

0.04

Mean skewness

15.98

Mean kurtosis

243.04

Mean form

13.07

Mean crest

Mean Skewness
0.04

faultClass

RID

Bearing Code

RID_KI04
0.05

RID_KI14
0.03

RID_KI21
0.03

RID_KI17
0.02

RID_KI18
-0.16

RID_KI16
-0.25

AOD
0.20

AID
0.13

RBD
0.11

HBD
0.03

RID
-0.05

ROD
-0.23

Mean kurtosis
15.98

faultClass

AID

AID
24.03

HBD
19.40

AOD
19.08

ROD
12.29

RBD
8.96

RID
8.83

Bearing Code

AID_KI05
43.60

AID_KI07
31.97

AID_KI08
26.51

AID_KI01
13.18

AID_KI03
4.92

Fault Bearing Key Factors

faultClass

AID

AOD

HBD

RBD

RID

ROD

bearingCode

All

-6.46

Minimum

6.66

Maximum

0.01

Mean

0.10

SD

0.20

Mean RMS

0.04

Mean skewness

15.98

Mean kurtosis

243.04

Mean form

13.07

Mean crest

Key influencers Top segments



What influences faultClass to be

RBD

?

When...

...the likelihood of faultClass being RBD increases by

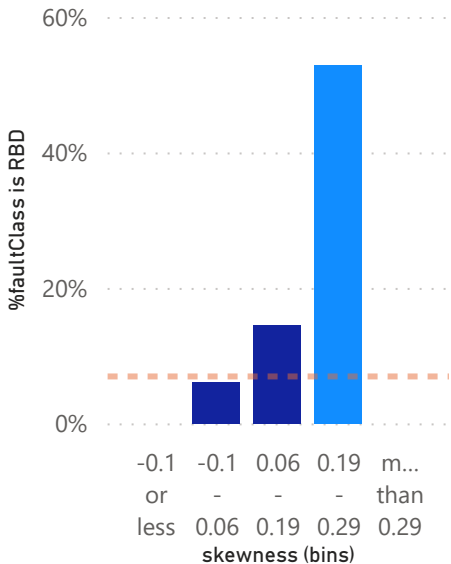
skewness is 0.19 - 0.29

7.64x

skewness is 0.06 - 0.19

1.90x

← faultClass is more likely to be RBD when skewness is 0.19 - 0.29 than otherwise (on average).



☐ Only show values that are influencers

Key influencers Top segments



What influences faultClass to be

HBD

?

When...

...the likelihood of faultClass being HBD increases by

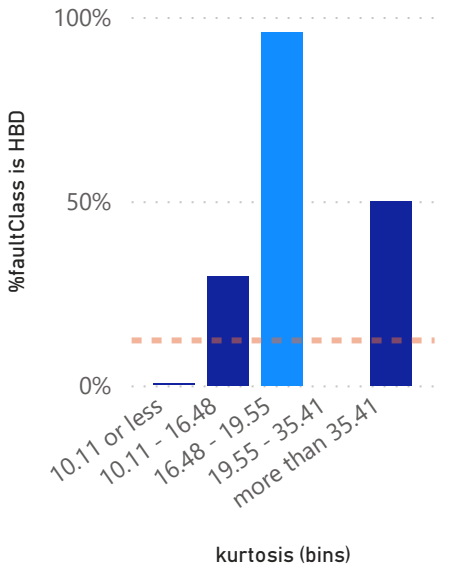
kurtosis is 16.48 - 19.55

7.87x

kurtosis is more than 35.41

3.00x

← faultClass is more likely to be HBD when kurtosis is 16.48 - 19.55 than otherwise (on average).



☐ Only show values that are influencers

Decomposition
Analysis

faultClass

AID

AOD

HBD

RBD

RID

ROD

bearingCode

All

-6.46

Minimum

6.66

Maximum

0.01

Mean

0.10

SD

0.20

Mean RMS

0.04

Mean skewness

15.98

Mean kurtosis

243.04

Mean form

13.07

Mean crest

Mean Form
243.04

faultClass

RID

Bearing Code

RID_KI04
243.89

RID_KI16
17.93

RID_KI18
16.64

RID_KI21
10.57

RID_KI17
9.36

RID_KI14
8.15

AID
421.51

RBD
419.15

HBD
391.95

AOD
170.64

ROD
111.92

RID
51.09

faultClass

AID

Bearing Code

AID_KI05
20.14

AID_KI07
18.59

AID_KI08
16.86

AID_KI01
12.82

AID_KI03
10.48

AID
15.78

AOD
14.76

HBD
13.82

RBD
11.72

RID
10.96

ROD
10.45

Mean Crest
13.07

Fault Bearing Key Factors

faultClass

AID

AOD

HBD

RBD

RID

ROD

bearingCode

All

-6.46

Minimum

6.66

Maximum

0.01

Mean

0.10

SD

0.20

Mean RMS

0.04

Mean skewness

15.98

Mean kurtosis

243.04

Mean form

13.07

Mean crest

Key influencers Top segments



What influences faultClass to be AID ?

When...

...the likelihood of faultClass being AID increases by

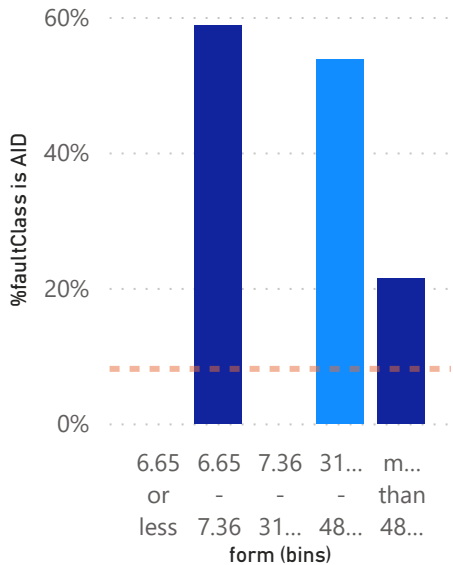
form is 310.89 - 482.93

6.68x

form is 6.65 - 7.36

4.46x

← faultClass is more likely to be AID when form is 310.89 - 482.93 than otherwise (on average).



☐ Only show values that are influencers

Key influencers Top segments



What influences faultClass to be AOD ?

When...

...the likelihood of faultClass being AOD increases by

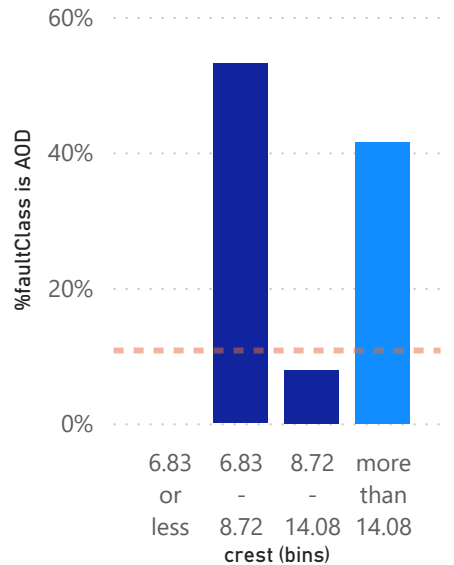
crest is more than 14.08

3.86x

crest is 6.83 - 8.72

2.63x

← faultClass is more likely to be AOD when crest is more than 14.08 than otherwise (on average).



☐ Only show values that are influencers

Sort by: Impact Count

Scatter Analysis

faultClass

AID

AOD

HBD

RBD

RID

ROD

bearingCode

All

-6.46

Minimum

6.66

Maximum

0.01

Mean

0.10

SD

0.20

Mean RMS

0.04

Mean skewness

15.98

Mean kurtosis

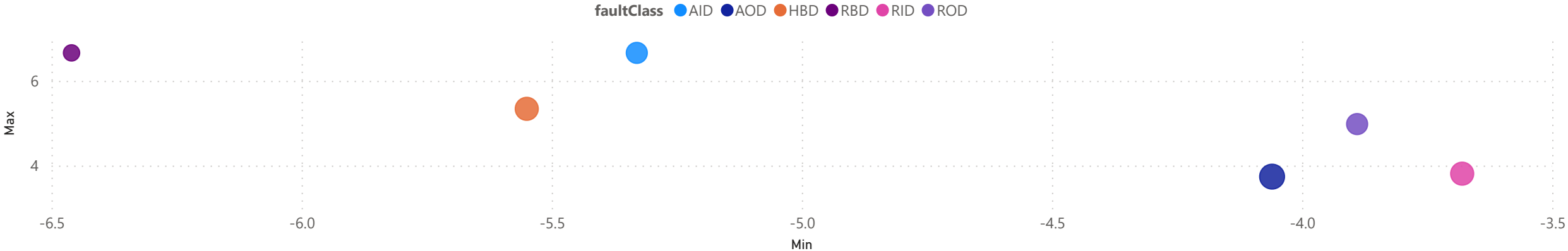
243.04

Mean form

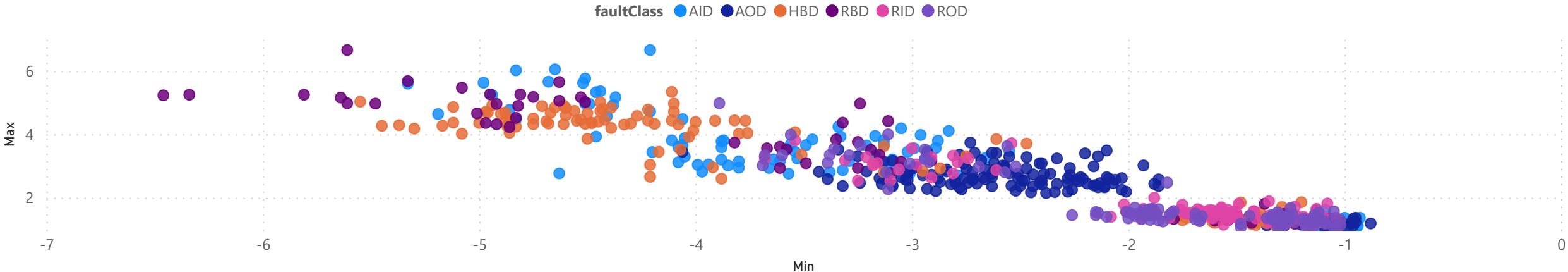
13.07

Mean crest

Min and Max by fault Class



Min and Max by fault Class



Distribution
Analysis

faultClass

AID

AOD

HBD

RBD

RID

ROD

bearingCode

All

-6.46

Minimum

6.66

Maximum

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0.10

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0.20

Mean RMS

0.04

Mean skewness

15.98

Mean kurtosis

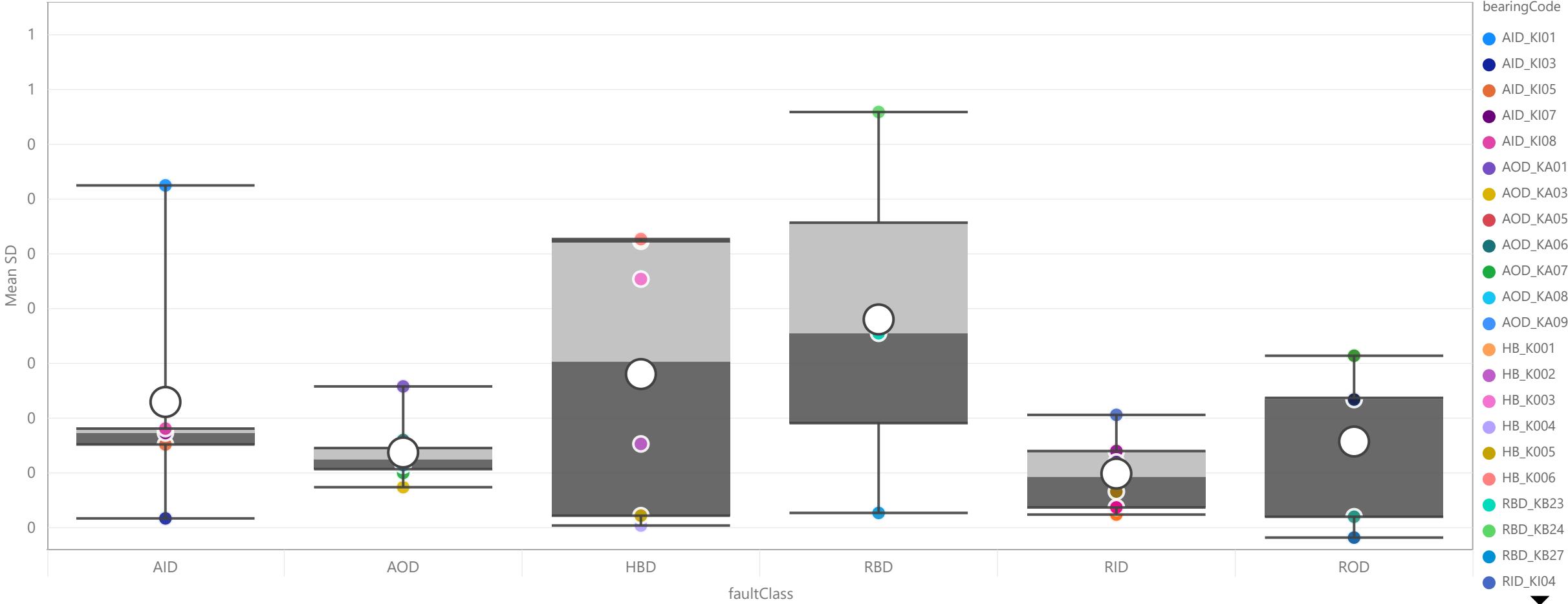
243.04

Mean form

13.07

Mean crest

Values Distribution Across Fault Classes



Q & A Bot

faultClass

AID

AOD

HBD

RBD

RID

ROD

bearingCode

All

-6.46

Minimum

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Maximum

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0.10

SD

0.20

Mean RMS

0.04

Mean skewness

15.98

Mean kurtosis

243.04

Mean form

13.07

Mean crest

Ask a Question, Bot will Answer You!

Ask a question about your data



Try one of these to get started

average min

compare mean and form

number of fault types

how many fault types are there

generated data sets sorted by rm

how many bearing codes are there

Show all suggestions