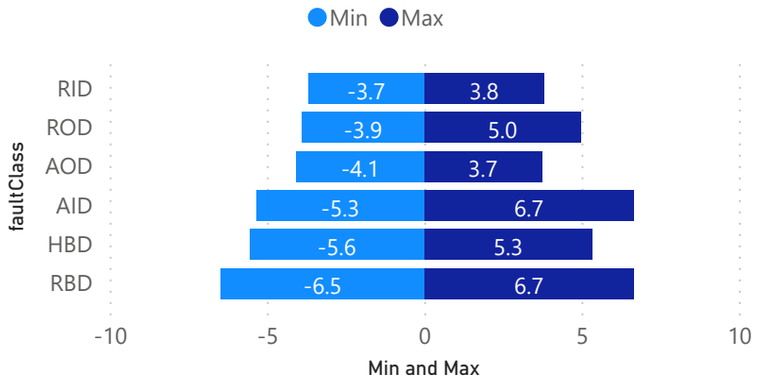
Fault Bearing Statistical Overview

faultClass: AID | AOD | HBD | RBD | RID | ROD

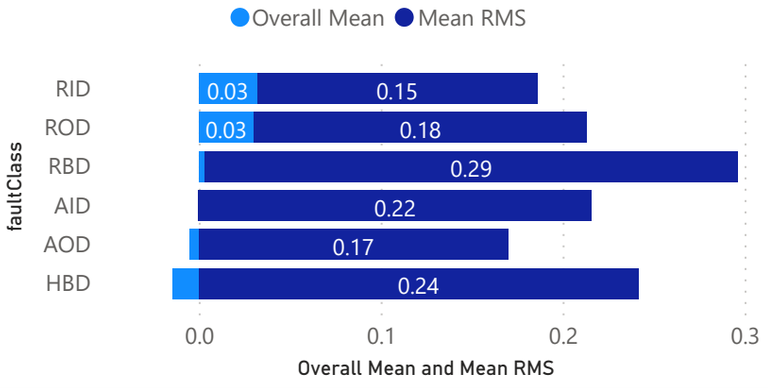
bearingCode: All

Minimum	Maximum	Mean	SD	Mean RMS	Mean skewness	Mean kurtosis	Mean form	Mean crest
-6.46	6.66	0.01	0.10	0.20	0.04	15.98	243.04	13.07

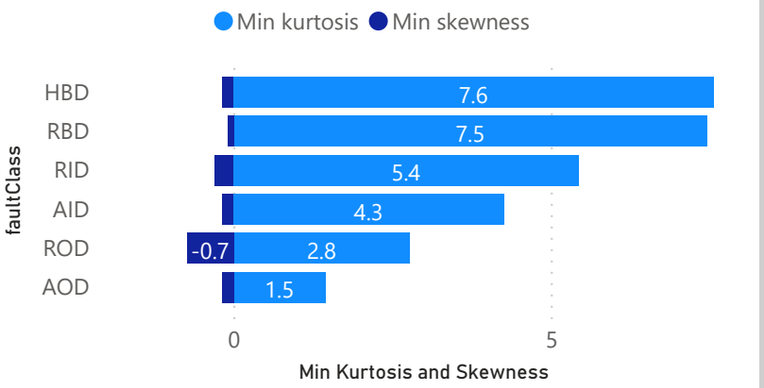
Min and Max by fault Class



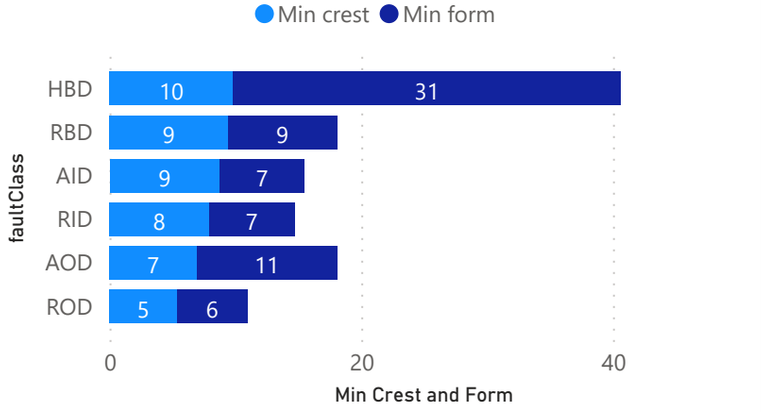
Overall Mean and Mean RMS by faultClass



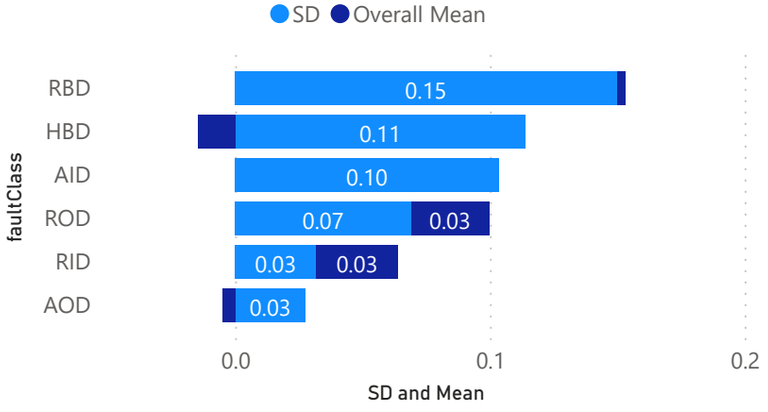
Min kurtosis and Min skewness by faultClass



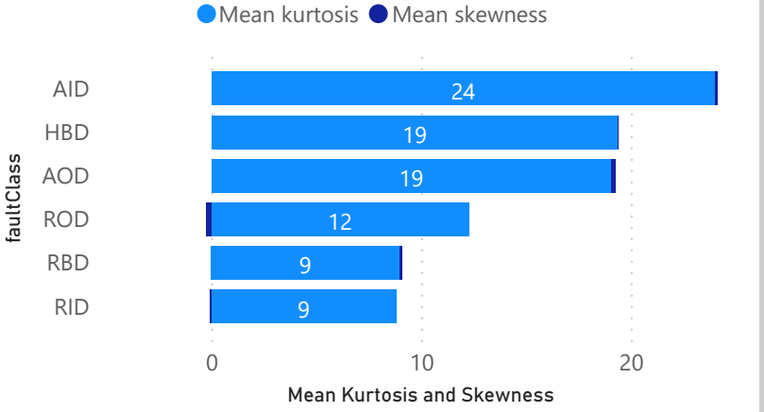
Min crest and Min form by faultClass



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	6.66	0.01	0.10	0.20	0.04	15.98	243.04	13.07
Minimum	Maximum	Mean	SD	Mean RMS	Mean skewness	Mean kurtosis	Mean form	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**

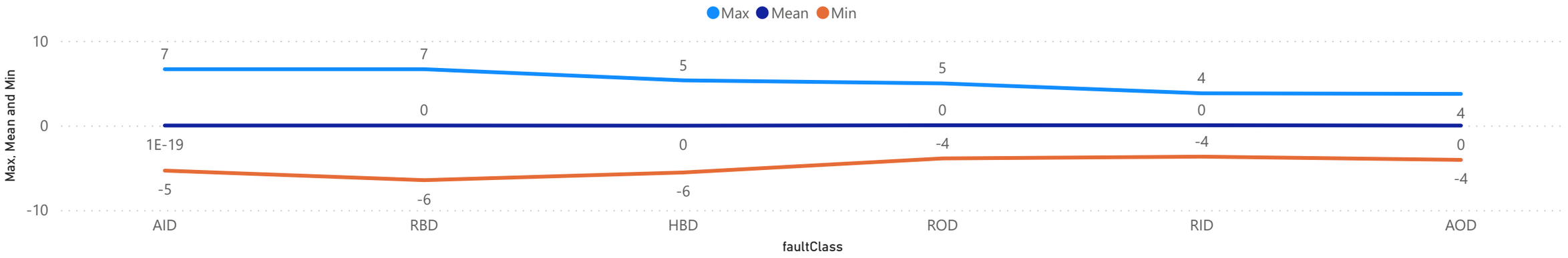
Fault Bearing Statistical Analysis

faultClass: AID | AOD | HBD | RBD | RID | ROD

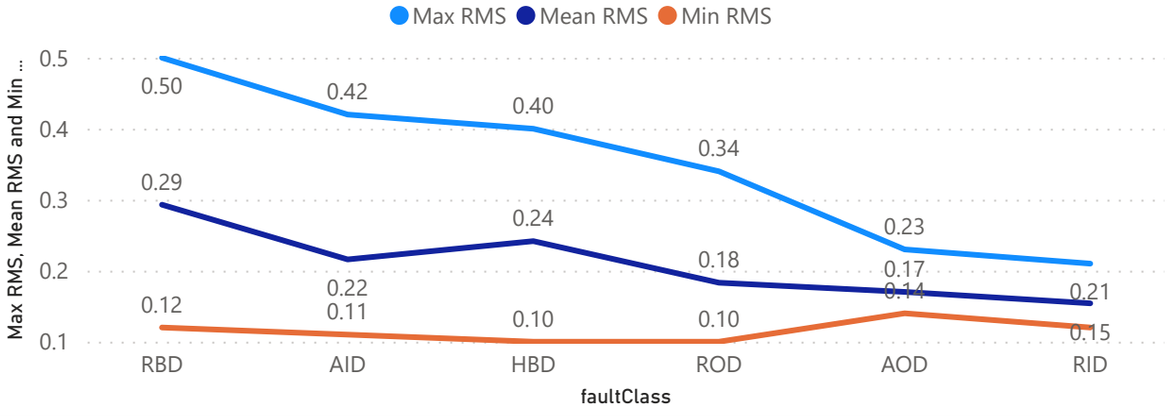
bearingCode: All

-6.46	6.66	0.01	0.10	0.20	0.04	15.98	243.04	13.07
Minimum	Maximum	Mean	SD	Mean RMS	Mean skewness	Mean kurtosis	Mean form	Mean crest

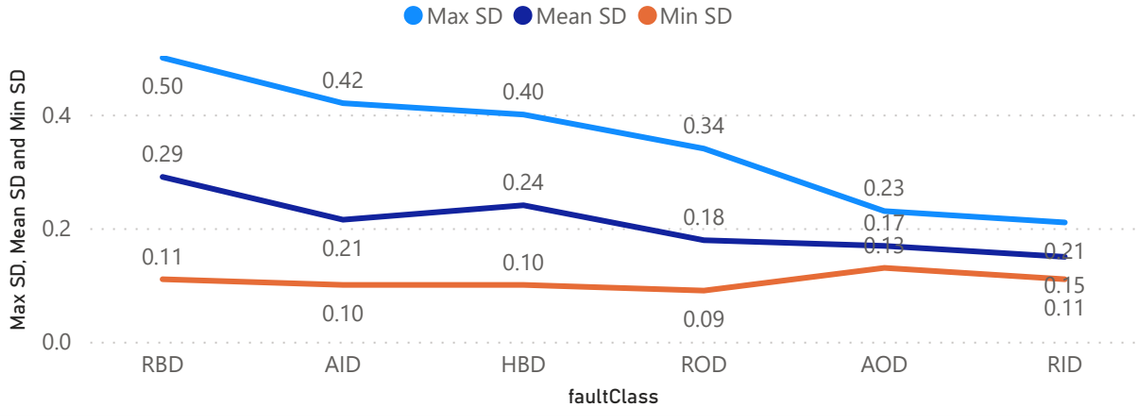
Max, Mean, Min by fault Class



Max, Mean, Min RMS by fault Class



Max, Mean, Min SD by fault Class



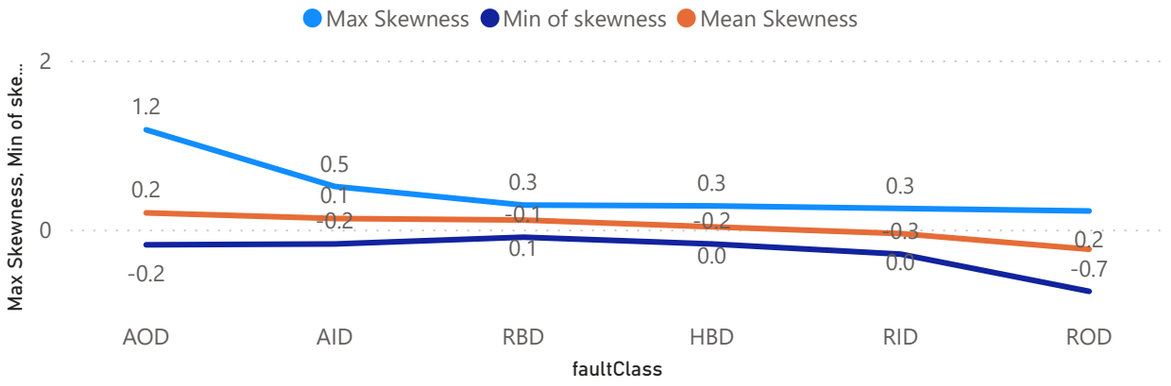
Fault Bearing Statistical Overview

faultClass: AID | AOD | HBD | RBD | RID | ROD

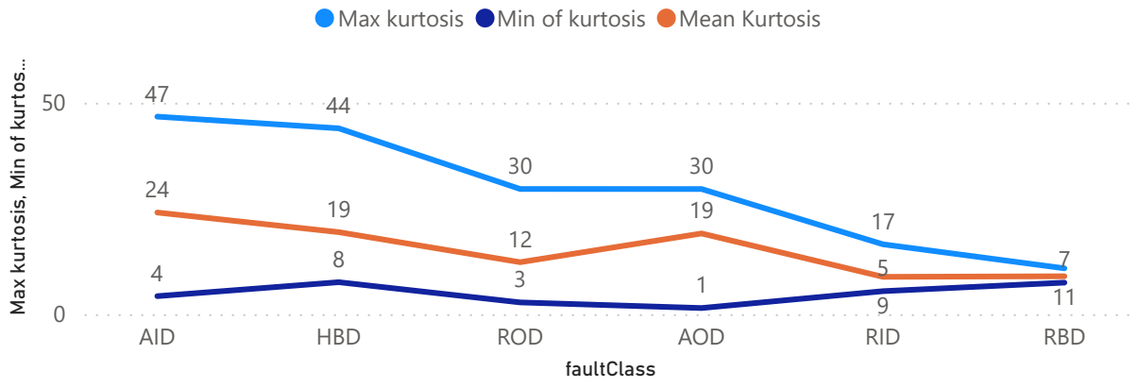
bearingCode: All

-6.46	6.66	0.01	0.10	0.20	0.04	15.98	243.04	13.07
Minimum	Maximum	Mean	SD	Mean RMS	Mean skewness	Mean kurtosis	Mean form	Mean crest

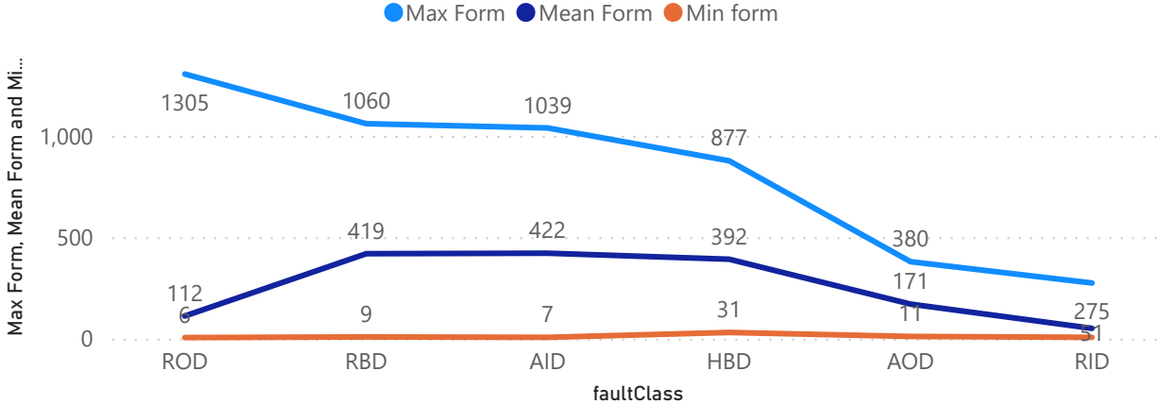
Max, Mean, Min Skewness by fault Class



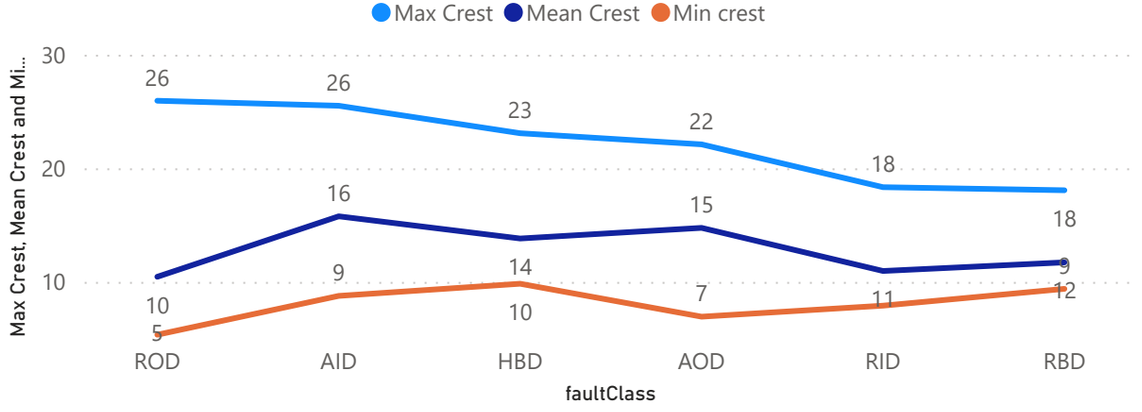
Max, Mean, Min Kurtosis by fault Class



Max, Mean, Min Form by fault Class



Max, Mean, Min Crest by fault Class



Decomposition Analysis

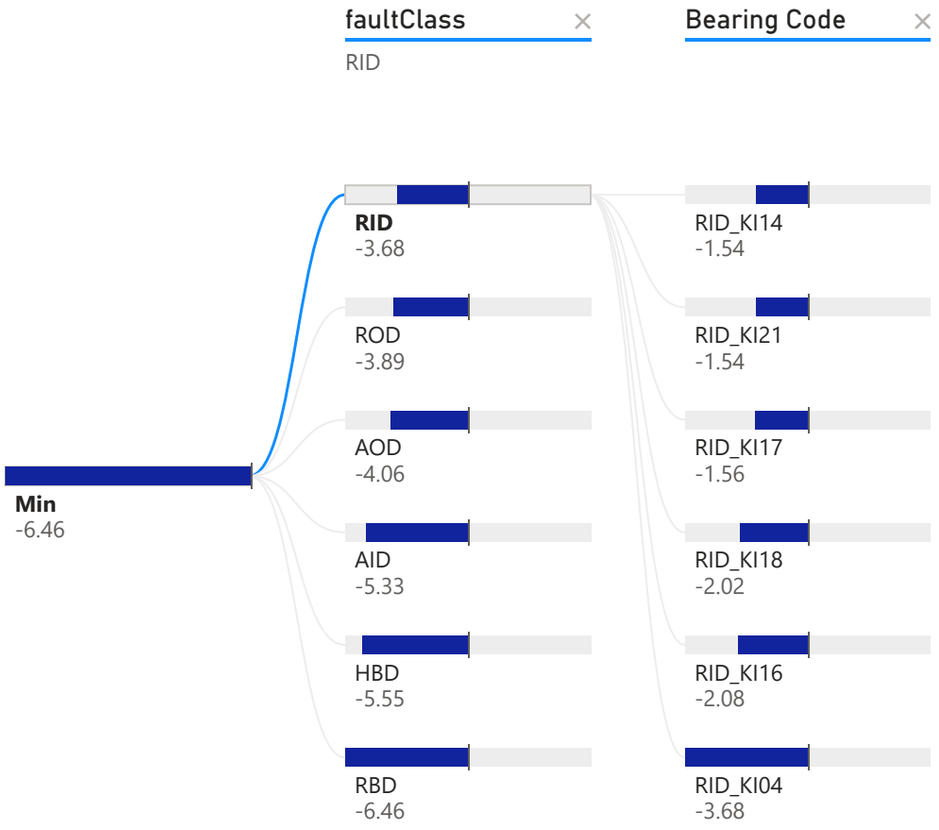
faultClass

AID | AOD | HBD | RBD | RID | ROD

bearingCode

All

-6.46	6.66	0.01	0.10	0.20	0.04	15.98	243.04	13.07
Minimum	Maximum	Mean	SD	Mean RMS	Mean skewness	Mean kurtosis	Mean form	Mean crest



Fault Bearing Key Factors

faultClass

AID | AOD | HBD | RBD | RID | ROD

bearingCode

All

-6.46	6.66	0.01	0.10	0.20	0.04	15.98	243.04	13.07
Minimum	Maximum	Mean	SD	Mean RMS	Mean skewness	Mean kurtosis	Mean form	Mean crest

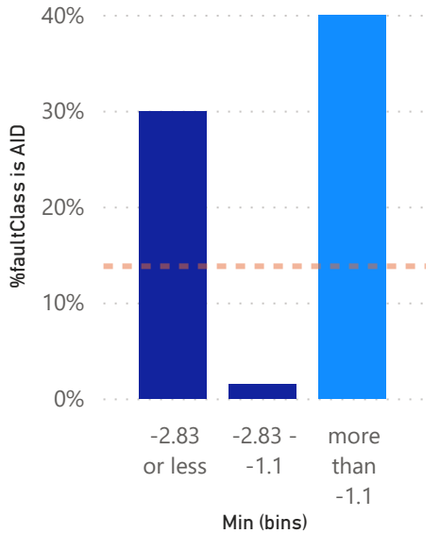
Key influencers | Top segments

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

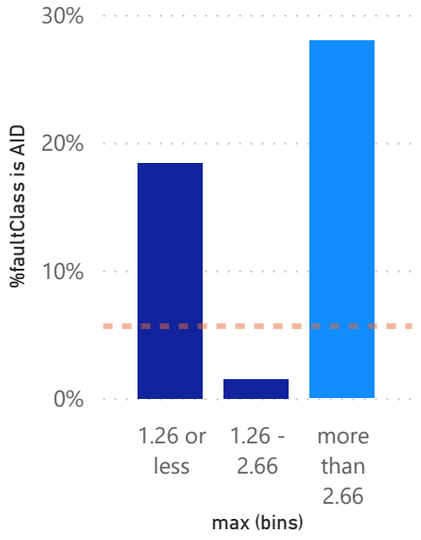
Key influencers | Top segments

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

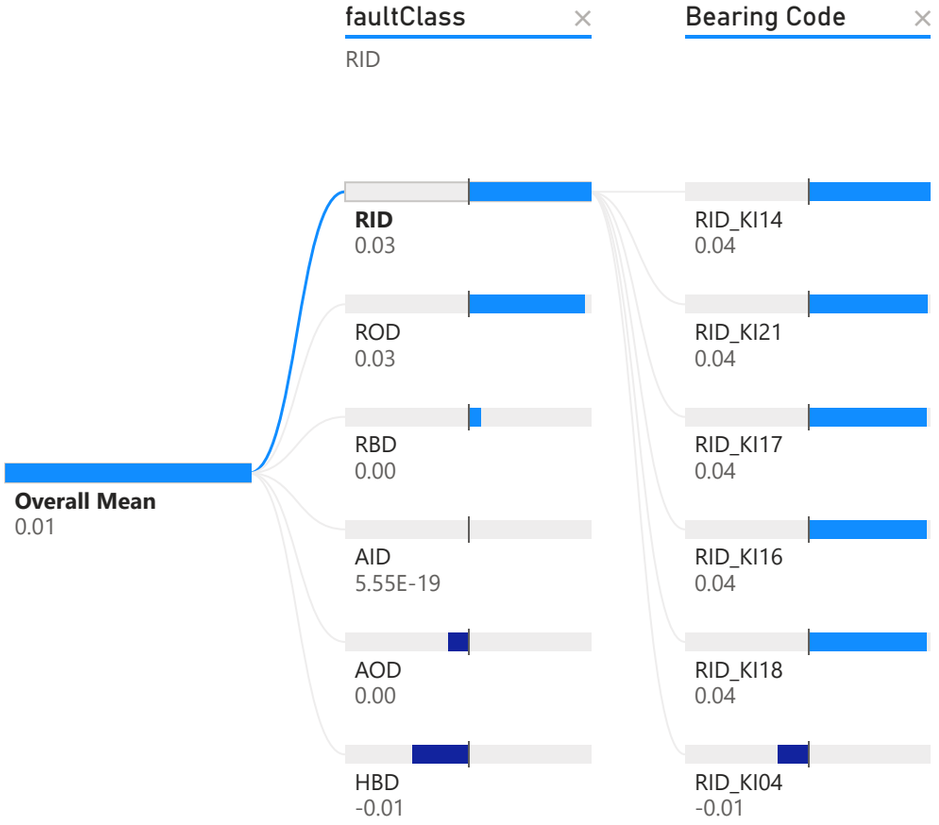
faultClass

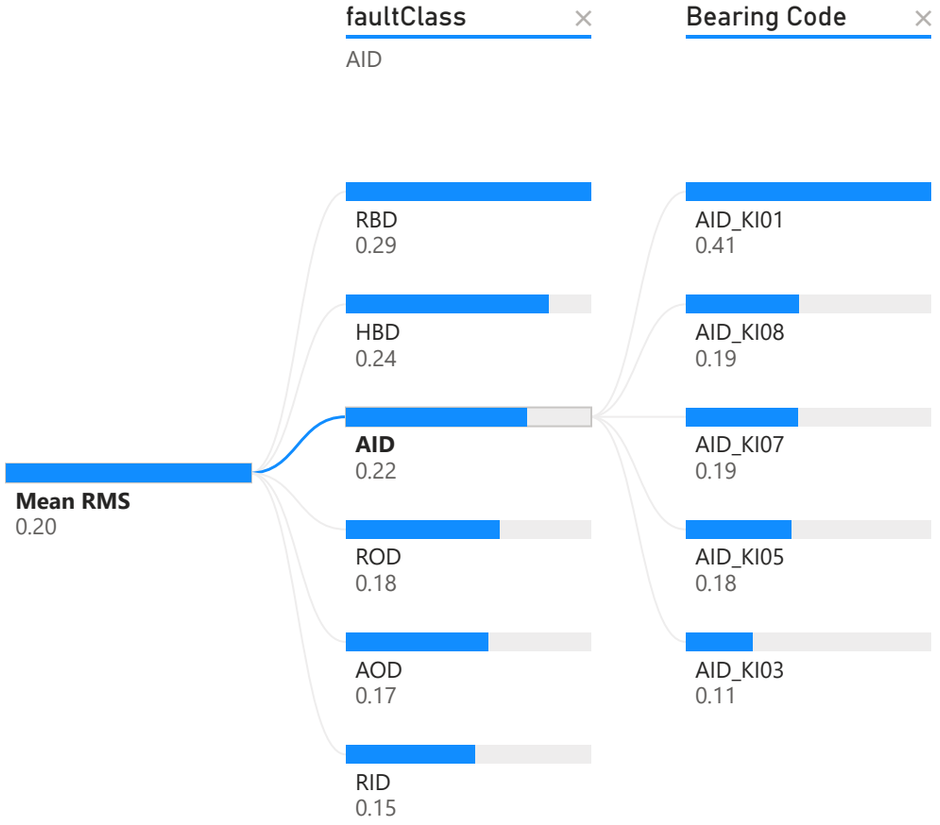
AID | AOD | HBD | RBD | RID | ROD

bearingCode

All

-6.46	6.66	0.01	0.10	0.20	0.04	15.98	243.04	13.07
Minimum	Maximum	Mean	SD	Mean RMS	Mean skewness	Mean kurtosis	Mean form	Mean crest





Fault Bearing Key Factors

faultClass

AID | AOD | HBD | RBD | RID | ROD

bearingCode: All

-6.46	6.66	0.01	0.10	0.20	0.04	15.98	243.04	13.07
Minimum	Maximum	Mean	SD	Mean RMS	Mean skewness	Mean kurtosis	Mean form	Mean crest

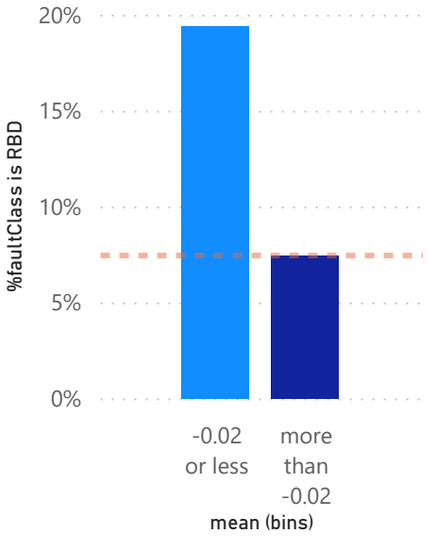
Key influencers | Top segments

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

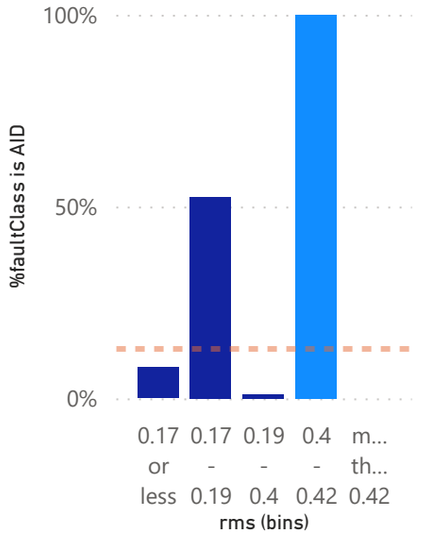
What influences faultClass to be AID ?

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

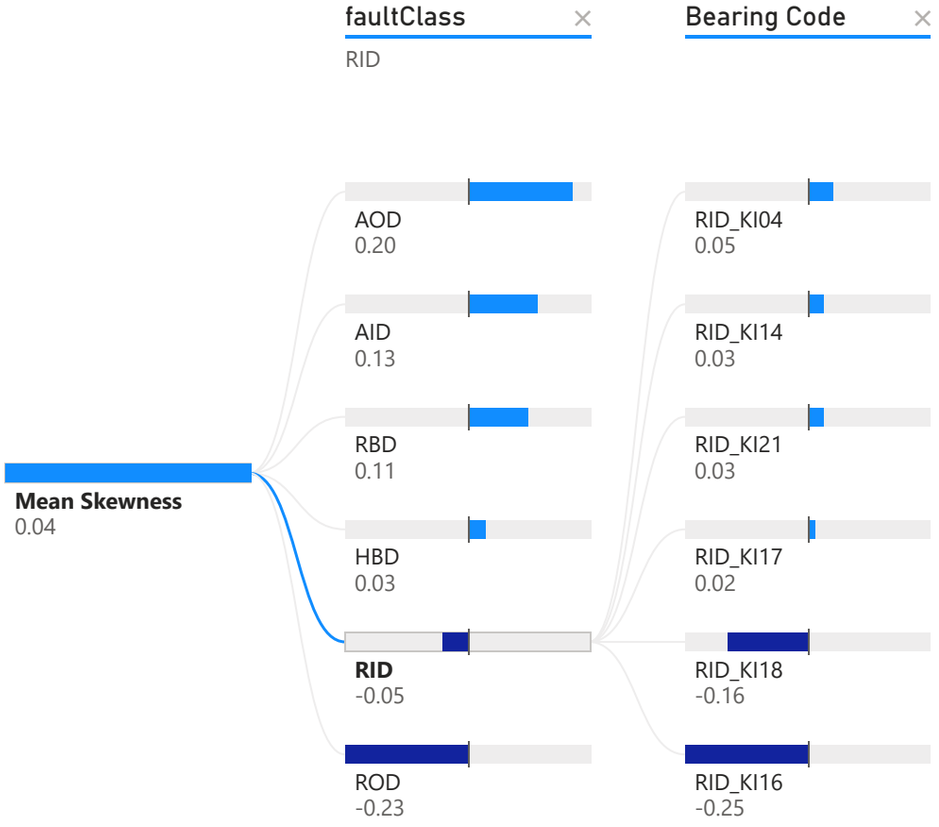
faultClass

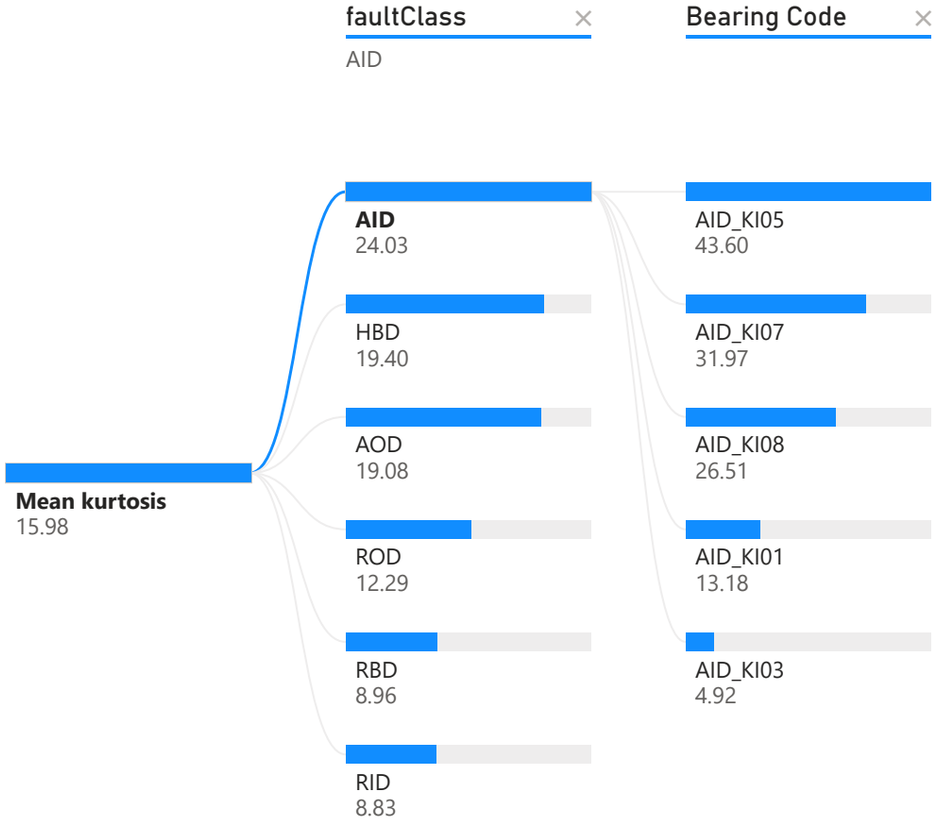
AID | AOD | HBD | RBD | RID | ROD

bearingCode

All

-6.46	6.66	0.01	0.10	0.20	0.04	15.98	243.04	13.07
Minimum	Maximum	Mean	SD	Mean RMS	Mean skewness	Mean kurtosis	Mean form	Mean crest





Fault Bearing Key Factors

faultClass

AID | AOD | HBD | RBD | RID | ROD

bearingCode: All

-6.46	6.66	0.01	0.10	0.20	0.04	15.98	243.04	13.07
Minimum	Maximum	Mean	SD	Mean RMS	Mean skewness	Mean kurtosis	Mean form	Mean crest

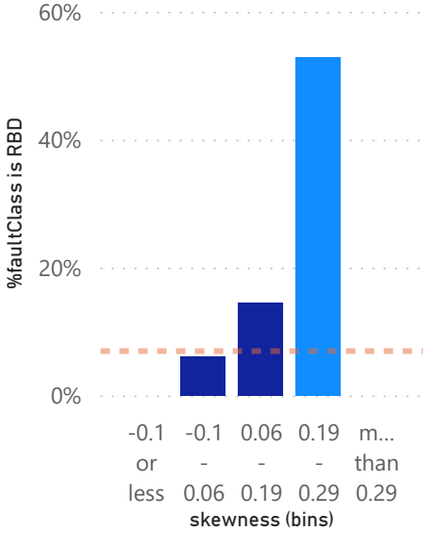
Key influencers | Top segments

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

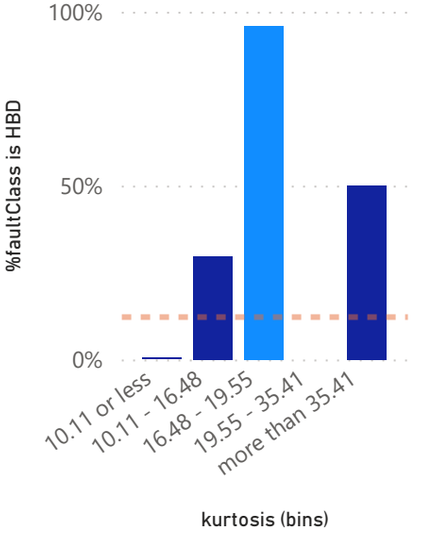
Key influencers | Top segments

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

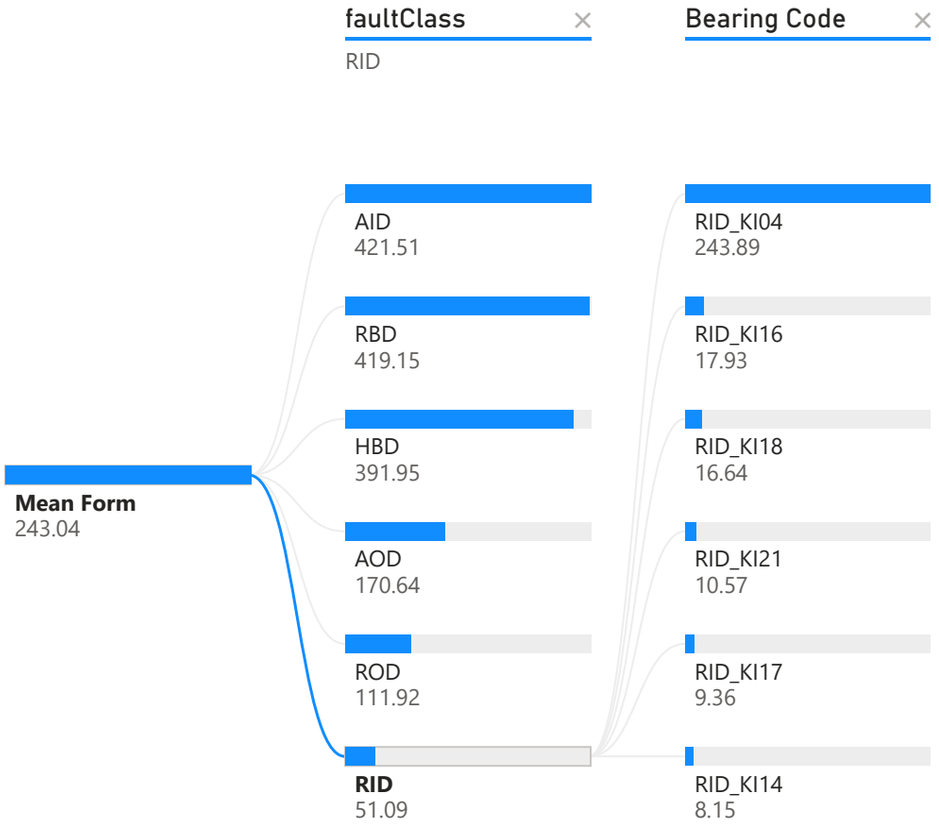
faultClass

AID | AOD | HBD | RBD | RID | ROD

bearingCode

All

-6.46	6.66	0.01	0.10	0.20	0.04	15.98	243.04	13.07
Minimum	Maximum	Mean	SD	Mean RMS	Mean skewness	Mean kurtosis	Mean form	Mean crest



Fault Bearing Key Factors

faultClass

AID | AOD | HBD | RBD | RID | ROD

bearingCode

All

-6.46	6.66	0.01	0.10	0.20	0.04	15.98	243.04	13.07
Minimum	Maximum	Mean	SD	Mean RMS	Mean skewness	Mean kurtosis	Mean form	Mean crest

Key influencers | Top segments

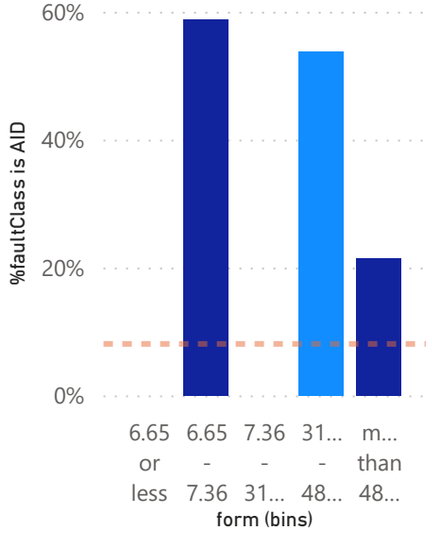
What influences faultClass to be AID ?

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 ?

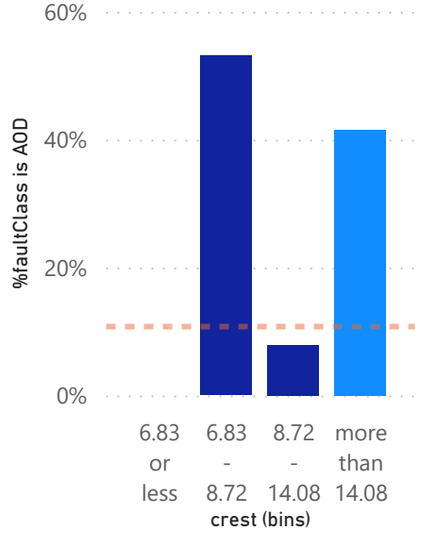
When...

....the likelihood of faultClass being AOD increases by

- **crest is more than 14.08** → 3.86x
- crest is 6.83 - 8.72 → 2.63x

Sort by: **Impact** Count

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



Only show values that are influencers

Scatter Analysis

faultClass

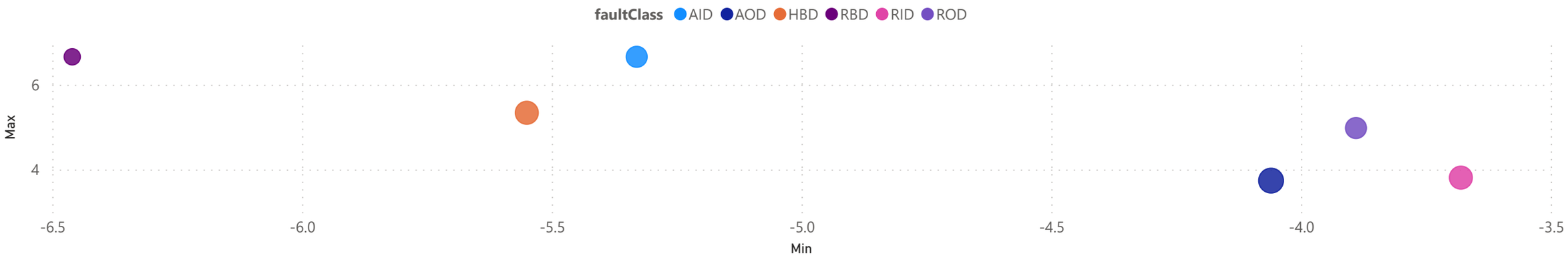
AID | AOD | HBD | RBD | RID | ROD

bearingCode

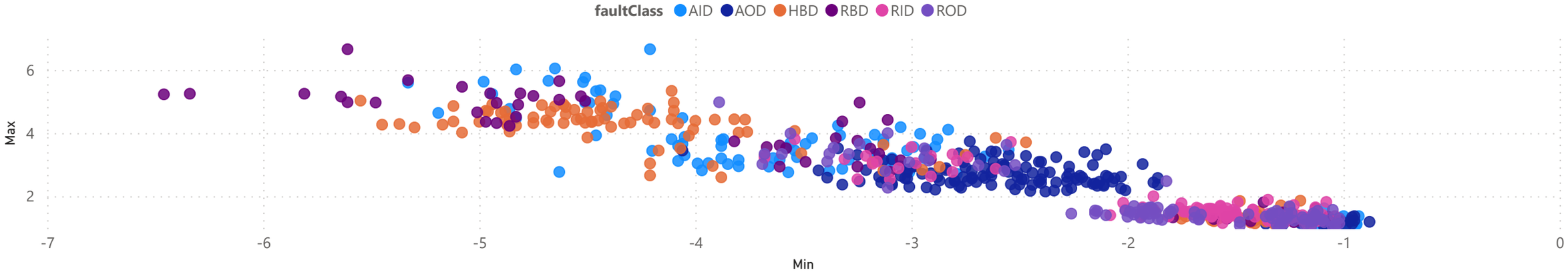
All

-6.46	6.66	0.01	0.10	0.20	0.04	15.98	243.04	13.07
Minimum	Maximum	Mean	SD	Mean RMS	Mean skewness	Mean kurtosis	Mean form	Mean crest

Min and Max by fault Class



Min and Max by fault Class



Distribution Analysis

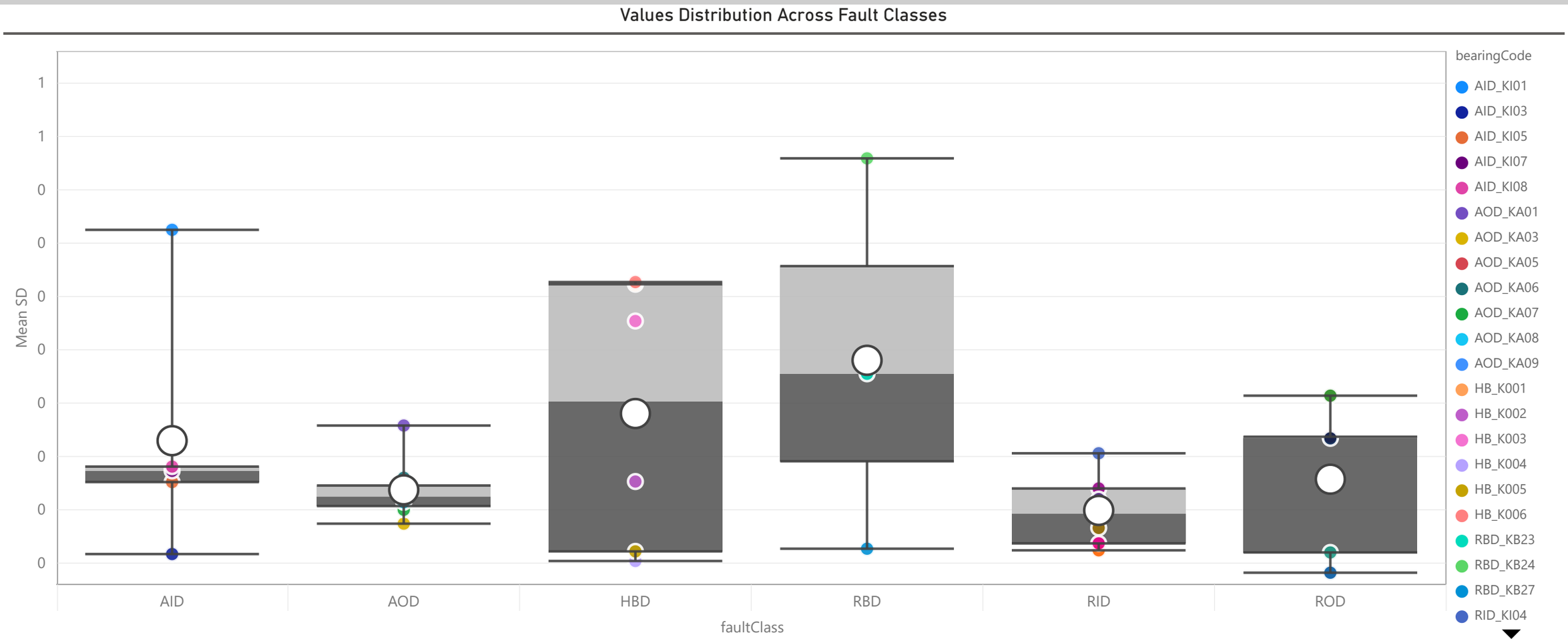
faultClass

AID | AOD | HBD | RBD | RID | ROD

bearingCode

All

-6.46	6.66	0.01	0.10	0.20	0.04	15.98	243.04	13.07
Minimum	Maximum	Mean	SD	Mean RMS	Mean skewness	Mean kurtosis	Mean form	Mean crest



Q & A Bot

faultClass

AID | AOD | HBD | RBD | RID | ROD

bearingCode

All

-6.46	6.66	0.01	0.10	0.20	0.04	15.98	243.04	13.07
Minimum	Maximum	Mean	SD	Mean RMS	Mean skewness	Mean kurtosis	Mean form	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