STEPHAN GRIMM

Detecting Intrusion

using Logistic Regression, KNN and Decision Trees

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Agenda

1. What do we know?
2. What determines churn?
3. Conclusion

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0.42% of connections are harmful

- 48113 connections
- 44 variables

- Classifiers used:
  - Logistic Regression
  - KNN
  - Decision Tree

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Logistic Regression is our winner!

Intrusions correctly identified

Logistic Regression	KNN	Decision Tree
98%	**75%**	**68%**

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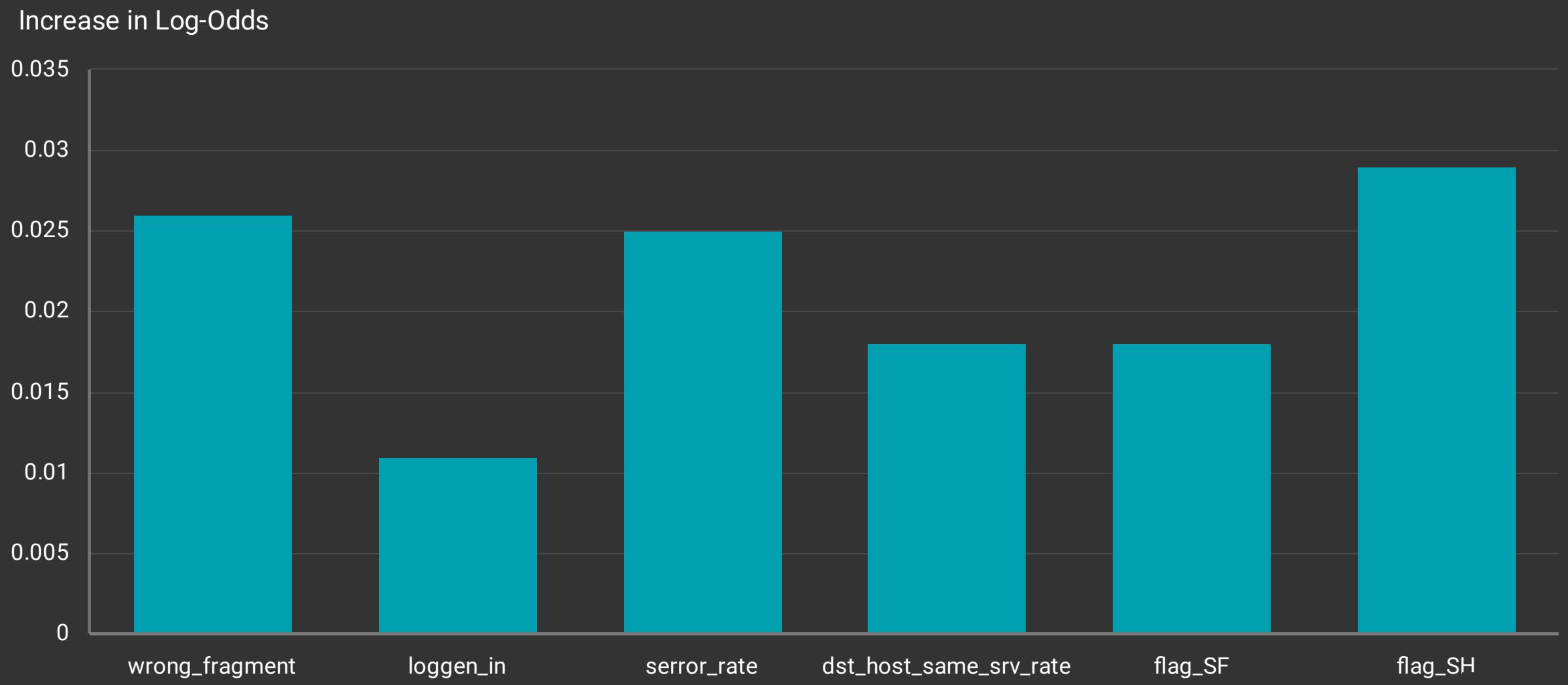
Mutliple Variables determine intrusion



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Conclusion

- 6/44 Variables influence intrusion most
- 98% of intrusions are accurately predicted

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