

Myers-Briggs Personality Type Prediction

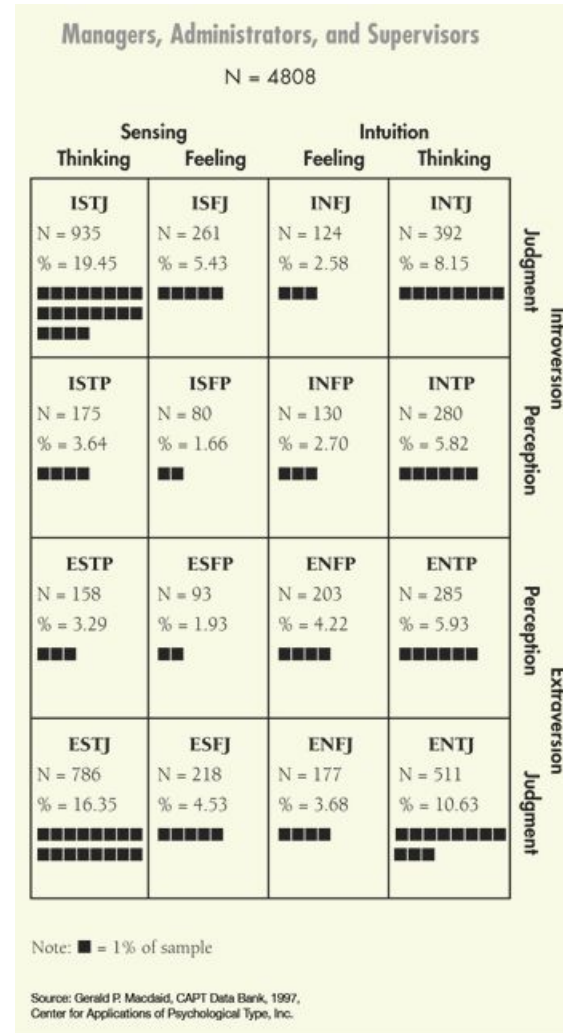
Machine Learning course - AI
Matthaios Zidianakis
MTN2008



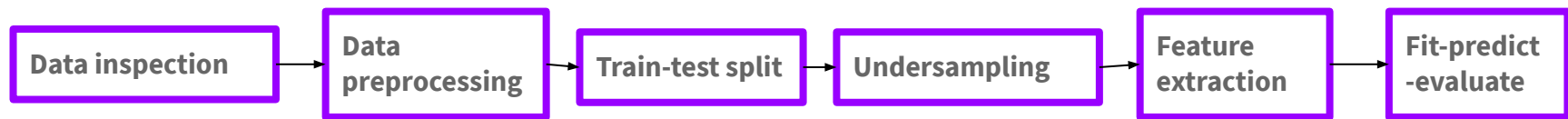
Overview

Basic personality type shorting:

- Introvert - Extrovert
 - Judgement - Perception
- Sensing - Intuition
 - Thinking - Feeling



Prediction process



Initial dataset size: ~2000000

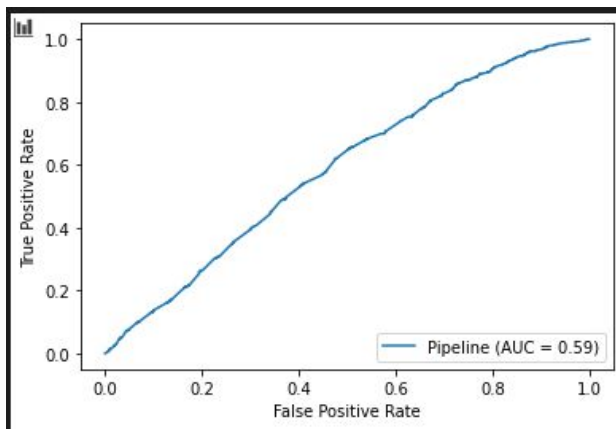
Used dataset size: ~22000

Prediction process



Results

- Selected classifier: **Random Forest**
- Weighted test F1 score: **72%**



Evaluation F1 score: 0.98

	precision	recall	f1-score	support
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0	1.00	0.96	0.98	4000
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1	0.99	1.00	0.99	14219
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accuracy			0.99	18219
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macro avg	0.99	0.98	0.98	18219
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weighted avg	0.99	0.99	0.99	18219
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Test F1 score: 0.72

	precision	recall	f1-score	support
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0	0.49	0.09	0.15	1000
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1	0.79	0.97	0.87	3555
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accuracy			0.78	4555
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macro avg	0.64	0.53	0.51	4555
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weighted avg	0.73	0.78	0.72	4555
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Thank you!