DAT 510: Assignment 1

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10.10.2016

Abstract

The assignment was to crack ciphertexts, encrypted with different encryption algorythms, and also implement Simplified DES, and Triple SDES with two keys. To crack the ciphertexts, neccesary software tools were written in Python and C++. Ciphertexts provided with the assignment were cracked succesfully.

Part I

Works Cited

[1] English Letter frequencies.
http://crypto.interactive-maths.com/autokey-cipher.html

[2] Quadgram analysis, Practical Cryptograpy.
http://practicalcryptography.com/cryptanalysis/
text-characterisation/quadgrams/

[3] Eutokey Cipher
http://www.cryptool-online.org/index.php?option=com_content&
view=article&id=104&Itemid=127&lang=en

[4] Vigenere letter frequency analysis
http://www.cs.mtu.edu/~shene/NSF-4/Tutorial/VIG/
Vig-Frequency-Analysis.html