

## FINAL EXAMS

Instructor: Haris Themistocleous

## Statistical Methods for NLP

Name: \_\_\_\_\_

Surname: \_\_\_\_\_

## PART A. 60

1. Name and define the first four spectral moments  $M_1$  to  $M_4$  of a normal distribution.  
(G. 15)

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2. What do we call a dependent variable and how it differs from the independent in a t-test. (G. 15)

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## PART B. 60

1. Calculate the entropy of an 8-sided die? (G. 20)

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2. Write the main types of Machine Learning algorithms and explain their differences.

(G. 20)

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