Population Genetics: Assignment 1

University of Cambridge

Henrik Åhl

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Abstract

Text here.

Preface

This is an assignment report in connection to the *Population Genetics* module in the Computational Biology course at the University of Cambridge, Lent term 2017. All related code is as of February 15, 2017 available through a Github repository by contacting hpa22@cam.ac.uk.

Exercises

1 – Measurement of variance

A

Table 1: Solution to exercise 1a

Selected	¬Selected	Total [%]
0.18	0.12	0.14
0.49	0.45	0.47
0.32	0.44	0.39

B The heterozygosity is the frequency of the middle row in table 1.

C Woot.

2 – Modelling fitness in a diploid system

3 – Dynamics of allele frequency change

4 – Time-dependent selection

Acknowledgements

As always, many thanks to Julian Melgar for no particular reason. [1]

References

[1] Saharon Shelah. Stable theories. *Israel Journal of Mathematics*, 7:187–202, 1969.