LINEAR REGRESSION: DETERMINATION OF THE AMPLITUDE AND TILT OF THE CMB SPECTRUM

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ABSTRACT

 MSE_{OLS}

2.1

0.8

p

11

Subject headings: Terrain data from Mars — physics: modelling — methods: statistical

1. INTRODUCTION

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2. METHOD

2.1. Algorithms

3. RESULTS 3.1. Franke function

2 2.2 706.1-0.270 667.5 3 2.3 -0.240 623.6 4 2.3 -0.18 0 570.5 -0.12 0 5 2.4 6 2.1 508.5 -0.14 0 7 2.2 437.9 -0.09 0 2.1 364.38 -0.060 9 284.0 0.00 1.8 0 10 1.4 197.6 0.00 0

 λ_{Ridge}

-0.29

0.00

 $\overline{MSE_{Lasso}}$

0

0

 λ_{Lasso}

 $\overline{MSE_{Ridge}}$

738.7

109.2

TABLE 1 TABELL OVER MÅLERESULTATENE I FORSØKET OM DIAMAGNETISME

The confidence intervals of the parameters β Method: OLS (Franke)

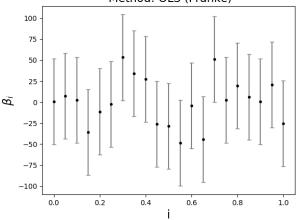


Fig. 1.— The confidence intervals of the β parameters

3.2. Real terrain data 4. CONCLUSIONS

REFERENCES

[1] http://folk.uio.no/hke/AST2210/cobe_project/project_ AST2210_cobe.pdf [2] https: //en.wikipedia.org/wiki/Cosmic_microwave_background //en.wikipedia.org/wiki/Cosmic_Background_Explorer