

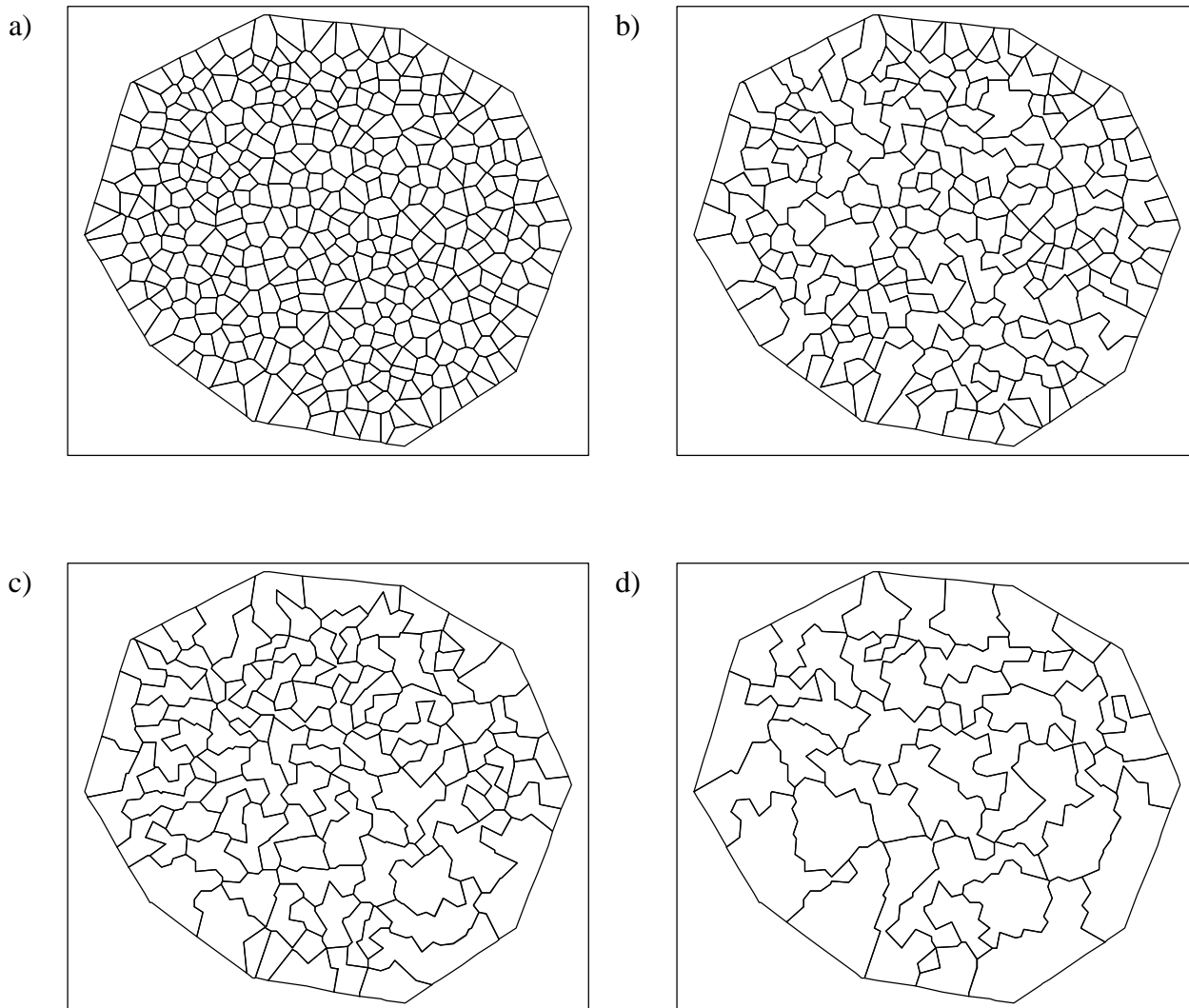
6.8. Figures for Chapter 6

Figure 6.1: The synthetic region used in all of the experiments, with its 400 cells (a) and a sample aggregations to 180 cells (b), 100 cells (c) and 40 cells (d).

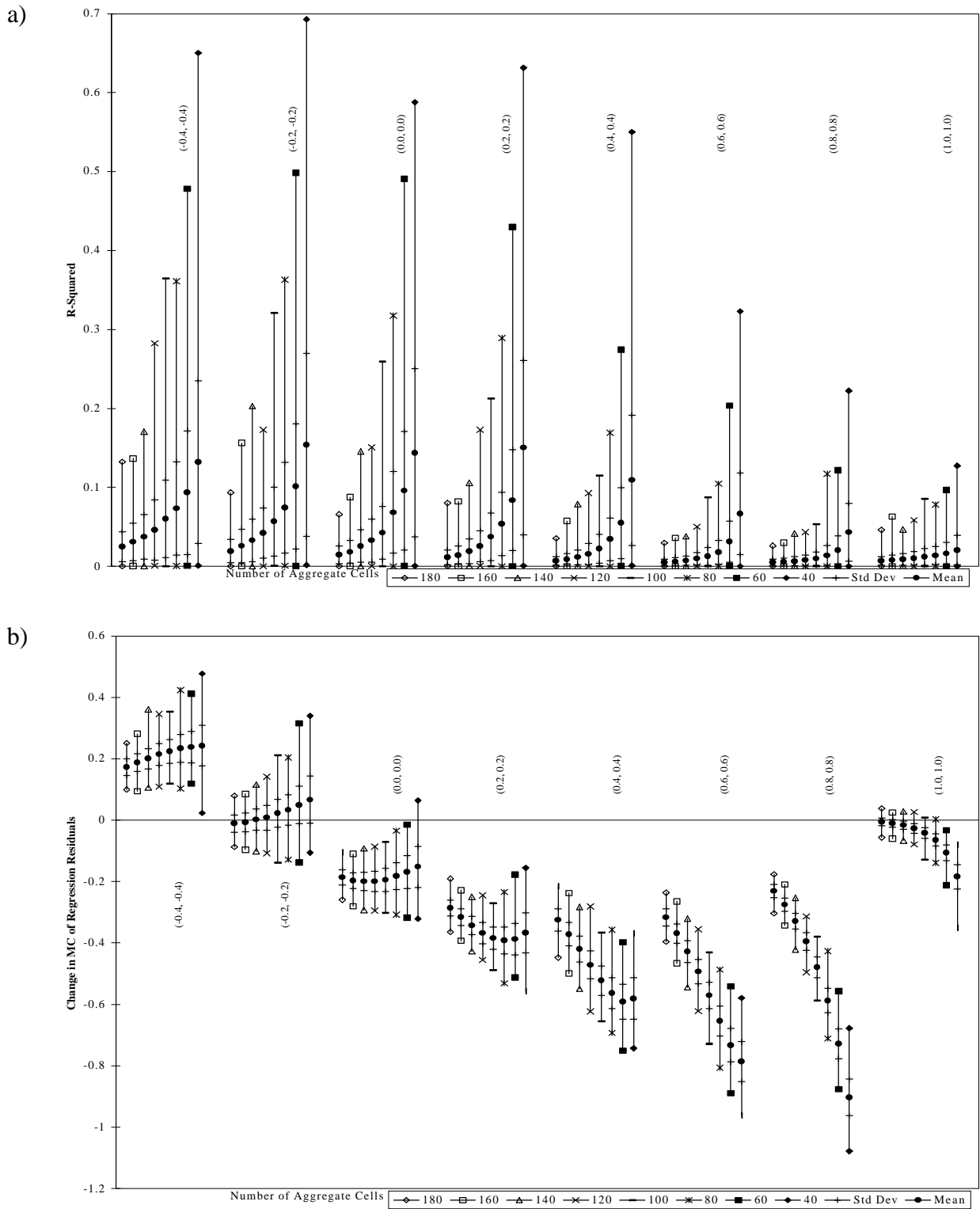


Figure 6.2: Variation of R^2 (top) and the change of Moran Coefficient of the multivariate regression residual with aggregation over 1000 runs of the aggregation model, with dependent and independent variables having the same Moran Coefficient.

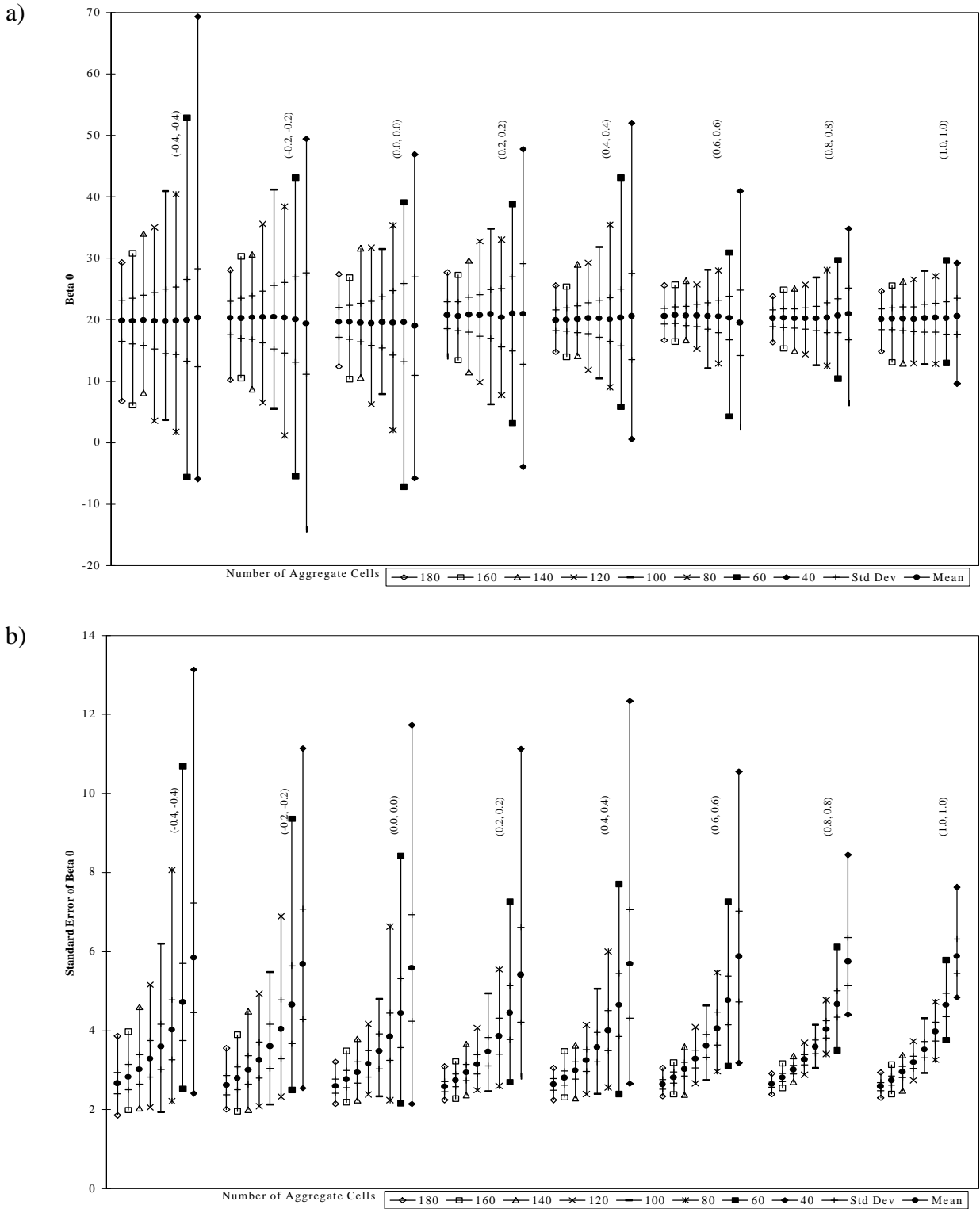


Figure 6.3: Variation of the multivariate regression parameter β_0 and its standard error over 1000 runs of the model, with dependent and independent variables having the same Moran Coefficients. Note how the variability decreases with increasing MC.

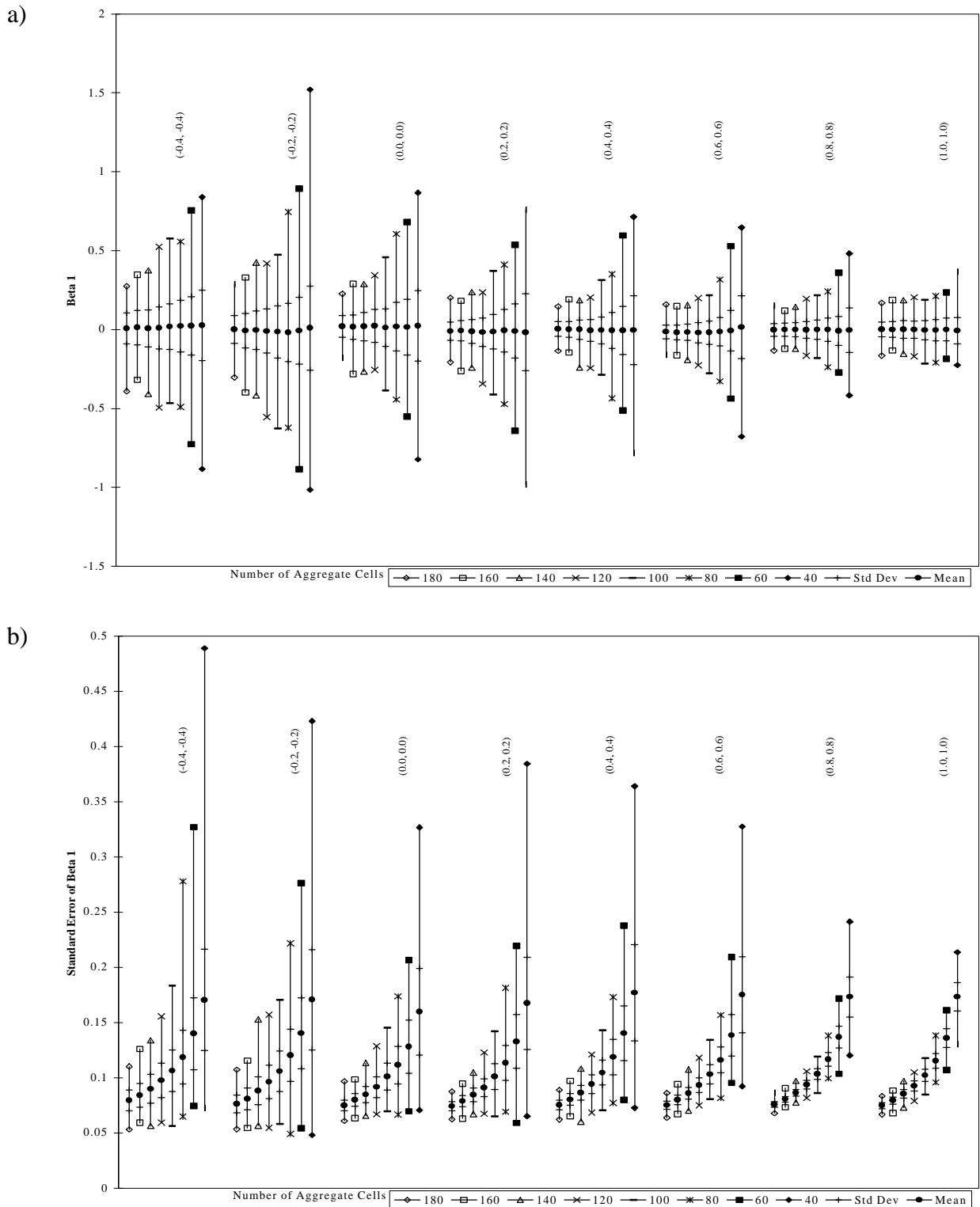


Figure 6.4: Variation of the multivariate regression parameter β_1 and its standard error over 1000 runs of the model, with dependent and independent variables having the same Moran Coefficients. Note how the variability decreases with increasing MC.

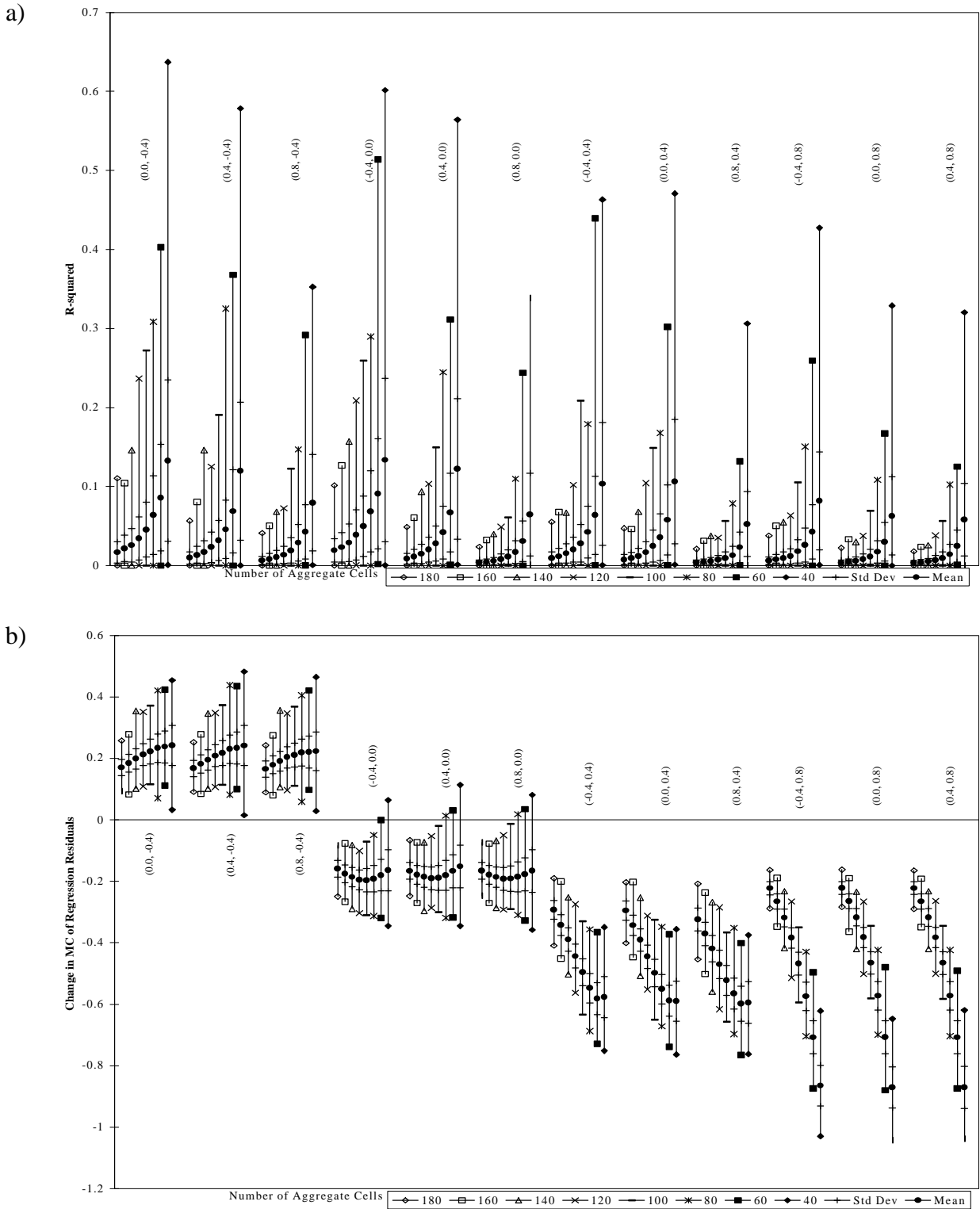


Figure 6.5: Variation of the multivariate R^2 (top) and the change of the Moran Coefficient of the regression residual (bottom), with the independent variables having the same MC and the dependent variable having a different MC.

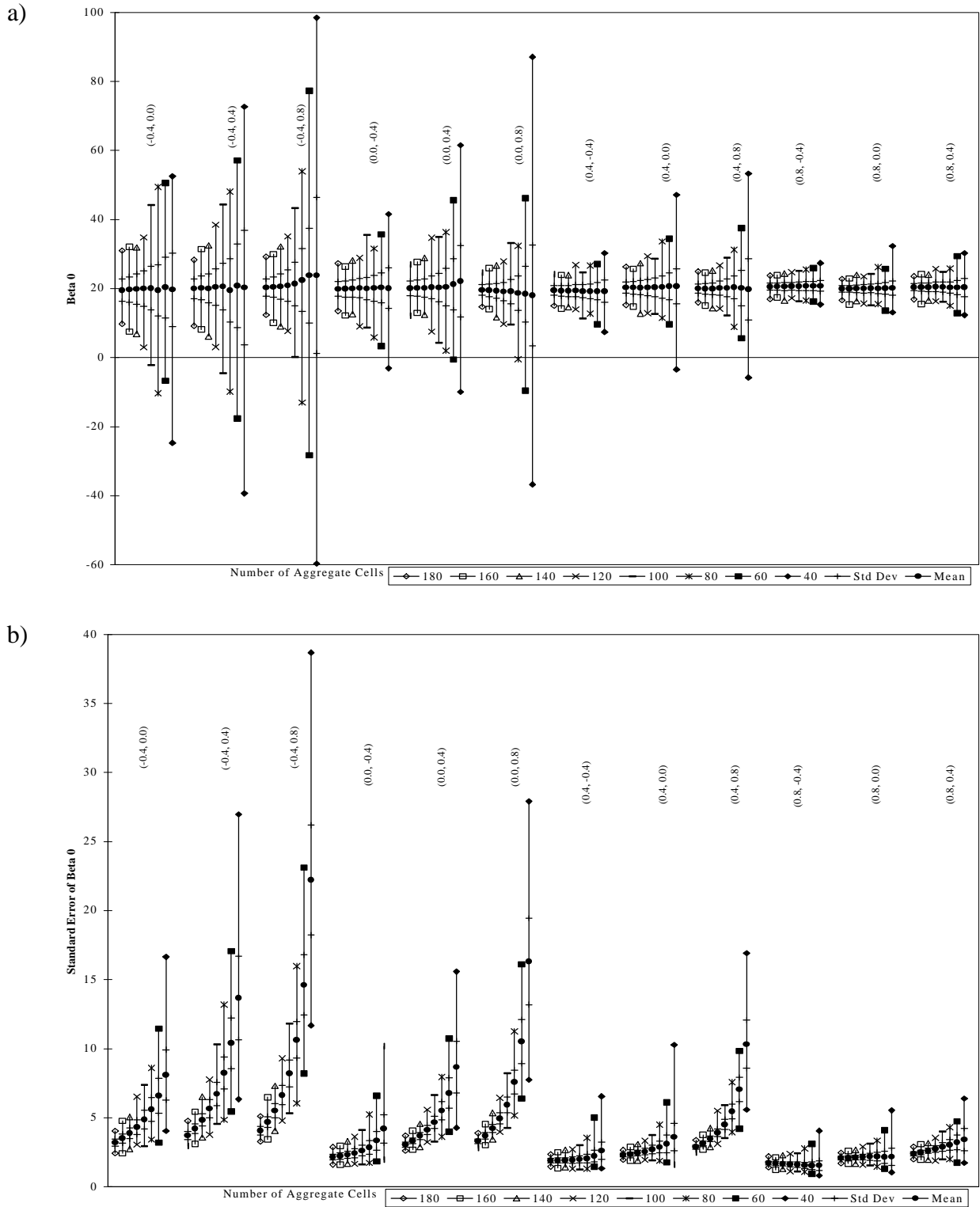


Figure 6.6: Variation of the multivariate regression parameter β_0 (top) and its standard error, with the independent variables having the same MC and the dependent variable having a different MC.

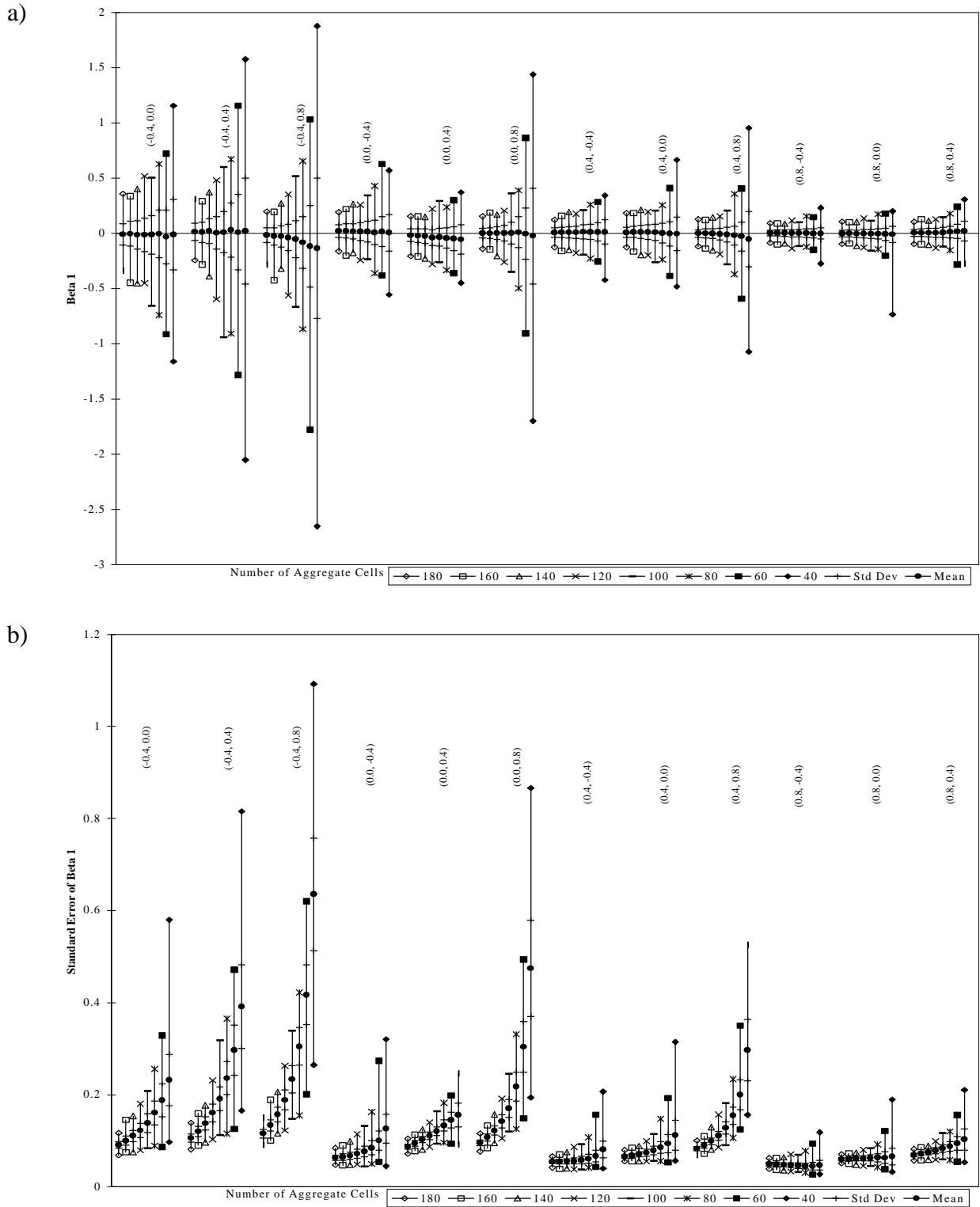


Figure 6.7: Variation of the multivariate regression parameter β_1 (top) and its standard error, with the independent variables having the same MC and the dependent variable having a different MC.

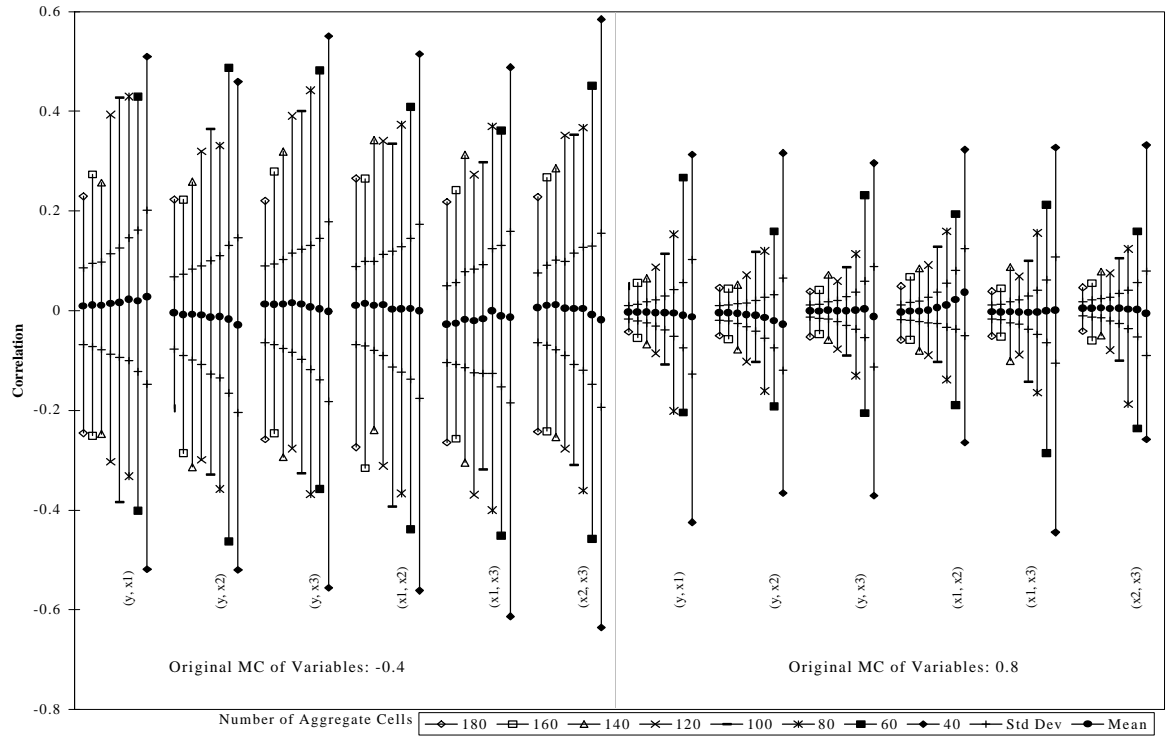


Figure 6.8: Variation of correlation with aggregation for the datasets of experiment 1 in which the original MCs of the variables are -0.4 (left) and 0.8 (right).