



MINISTÉRIO DA CIÊNCIA, TECNOLOGIA, INOVAÇÕES E COMUNICAÇÕES
INSTITUTO NACIONAL DE PESQUISAS ESPACIAIS

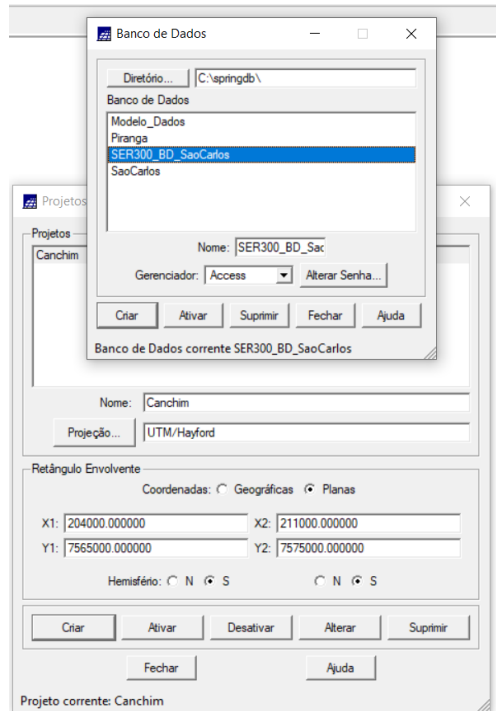
Pós-Graduação em Sensoriamento Remoto
SER-300 – Introdução ao Geoprocessamento

Relatório Laboratório 5:
Geo-Estatística

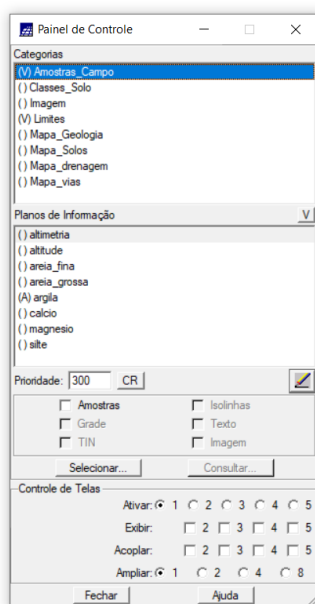
Raíssa Caroline dos Santos Teixeira

Este laboratório tem como objetivo explorar através de procedimentos geoestatísticos a variabilidade espacial de propriedades naturais amostrados e distribuídos espacialmente, realizado empregando técnicas geoestatísticas de análise exploratória dos dados, análise estrutural (cálculo e modelagem do semivariograma) e realização de inferências (Krigagem ou Simulação).

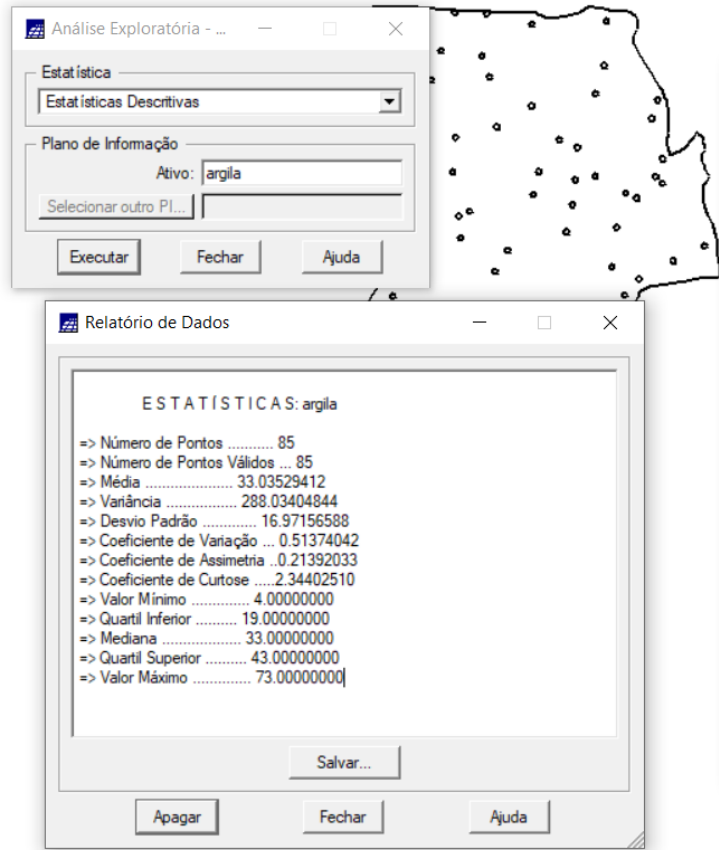
Ativação do banco de dados e projeto



Visualização dos PI's selecionados



Análise exploratória



Histogramas com 10 e 20 classes

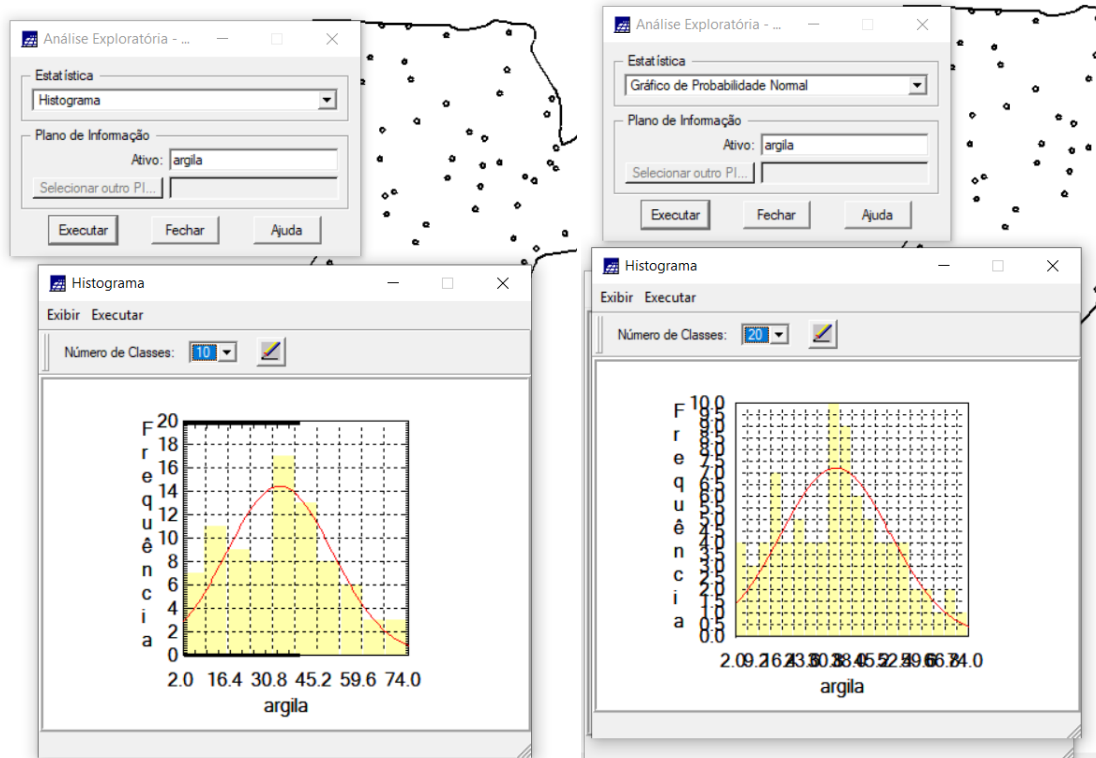
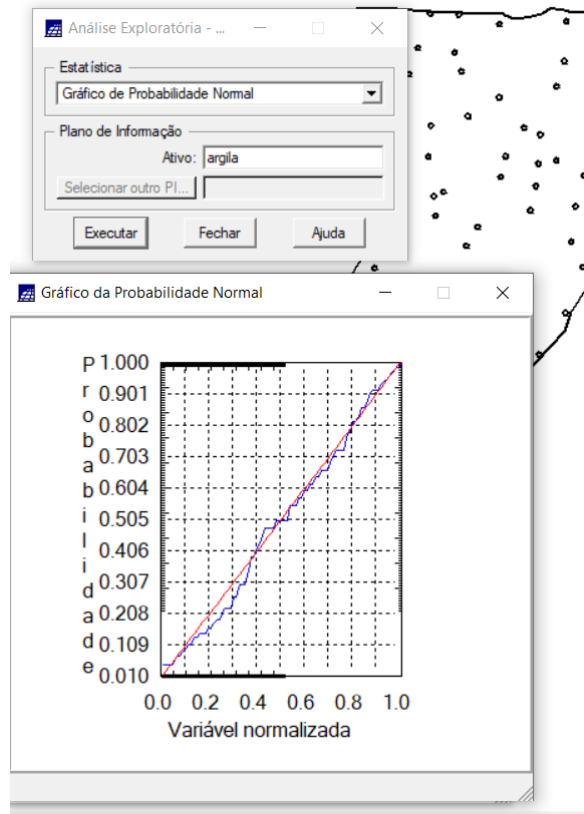
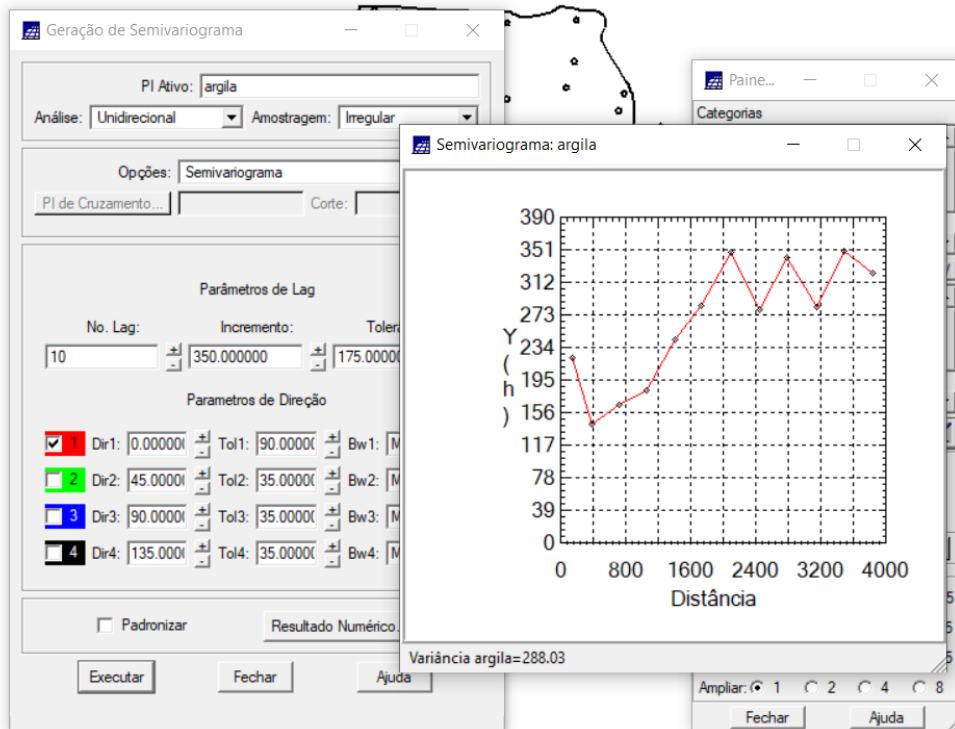


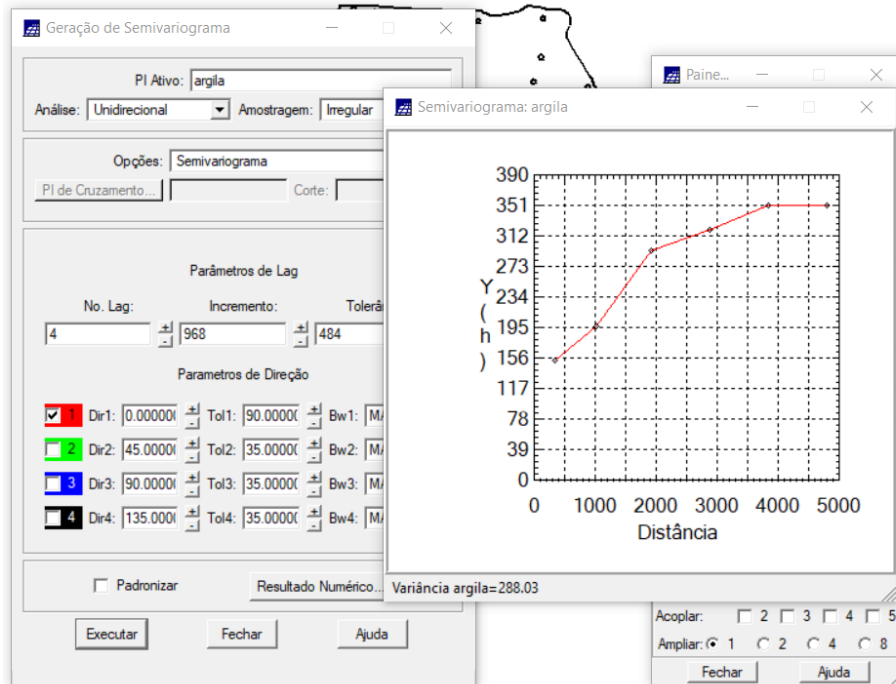
Gráfico de probabilidade normal



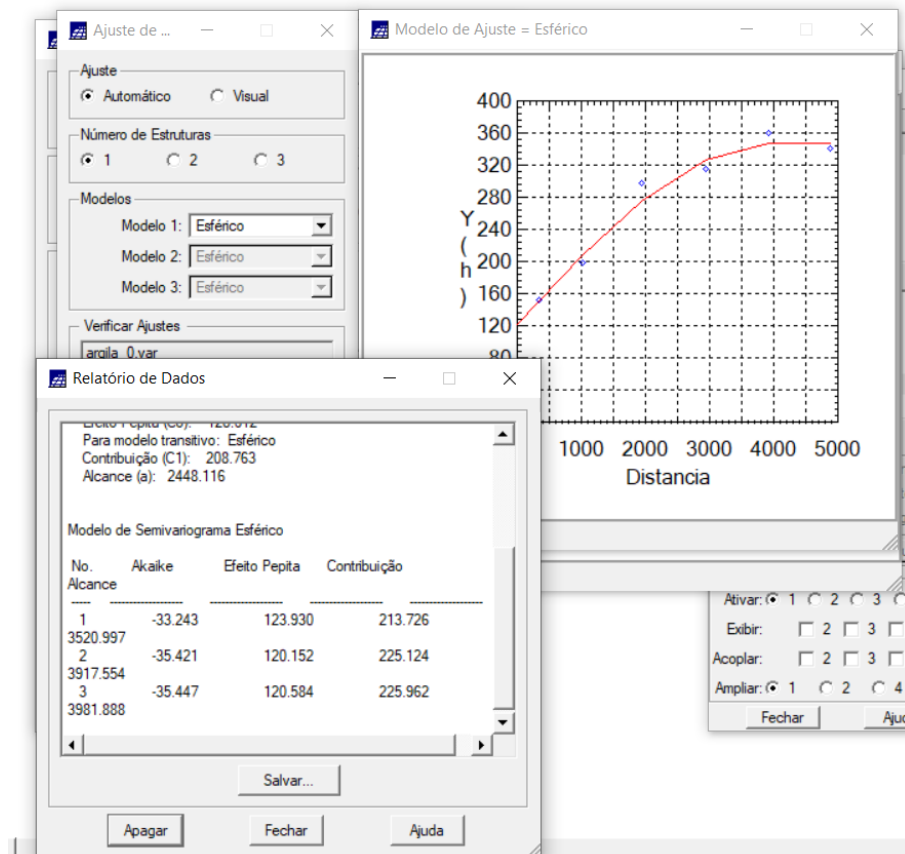
Análise da variabilidade espacial por semivariograma



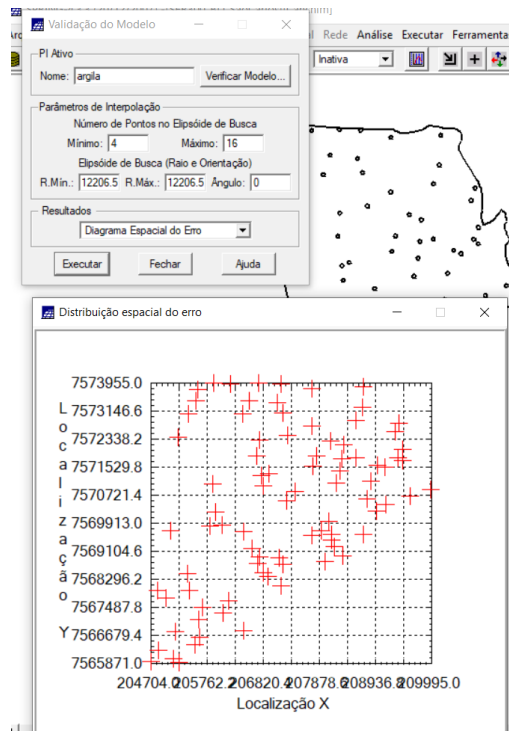
Análise da variabilidade espacial por semivariograma experimental (com Lag modificado)



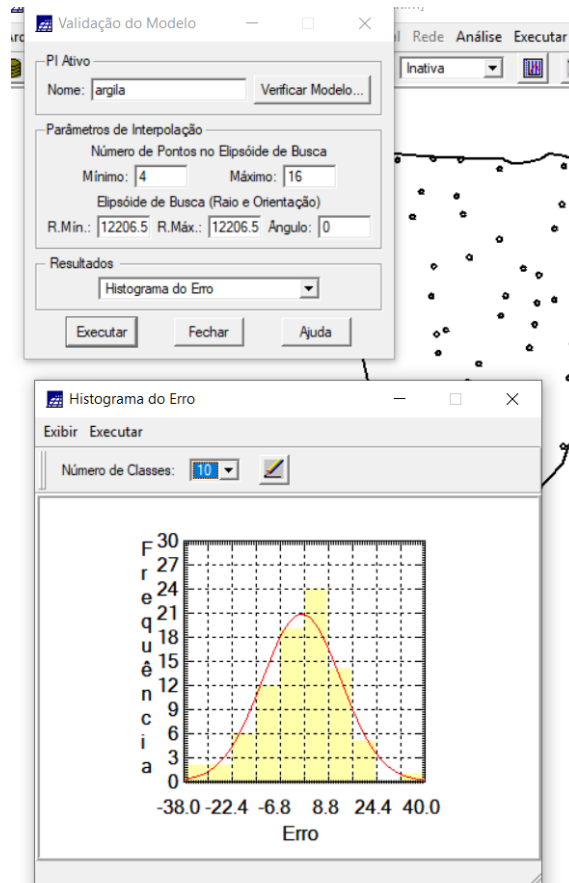
Modelagem do semivariograma experimental



Validação do modelo de ajuste



Histograma do erro



Estadística do Erro

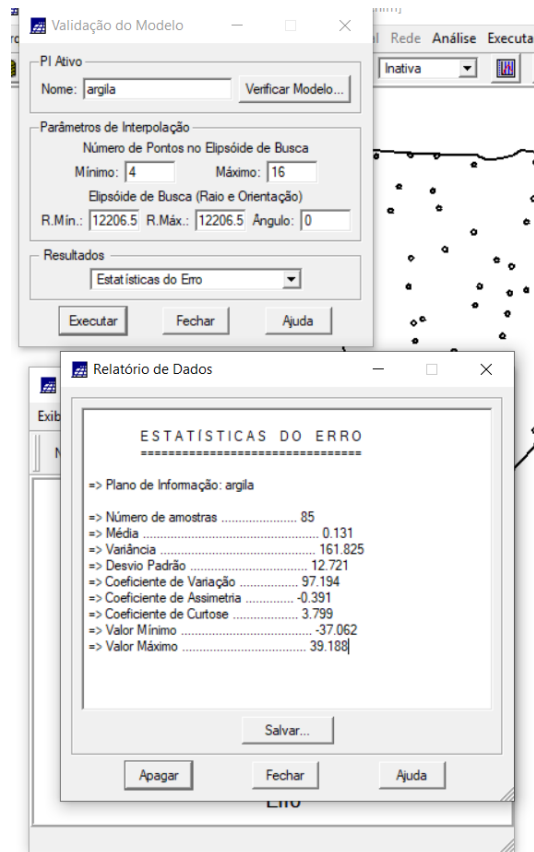
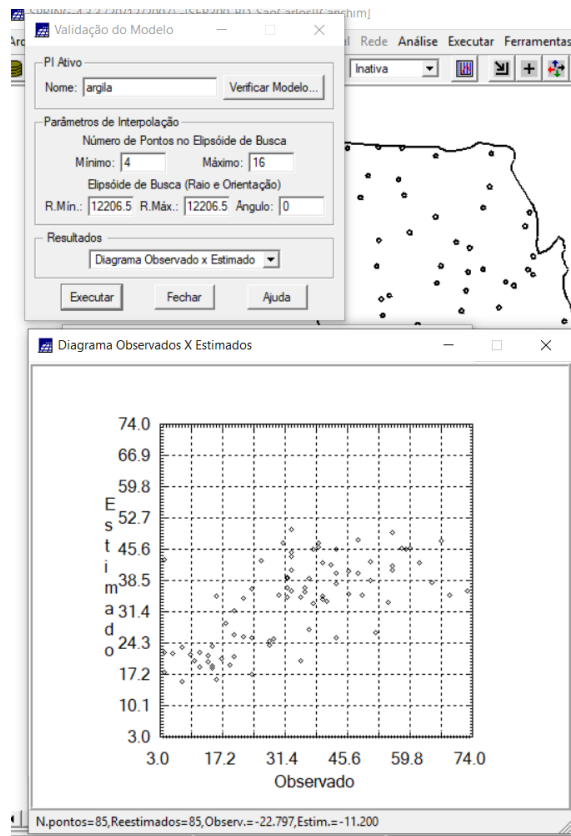
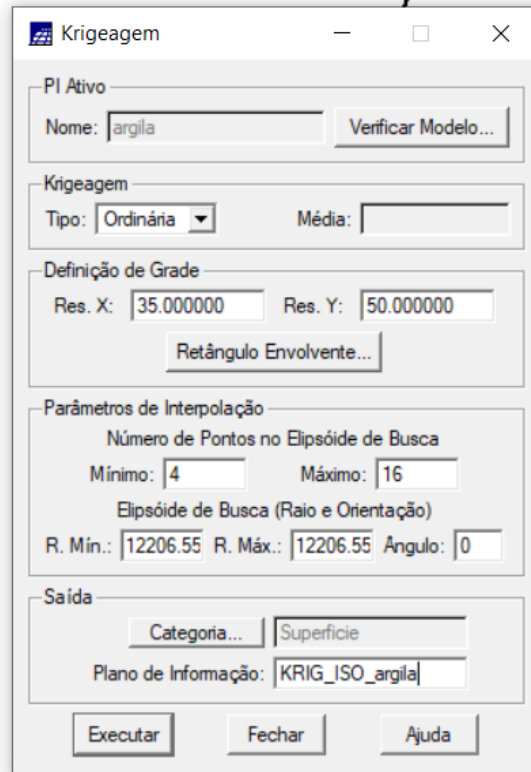


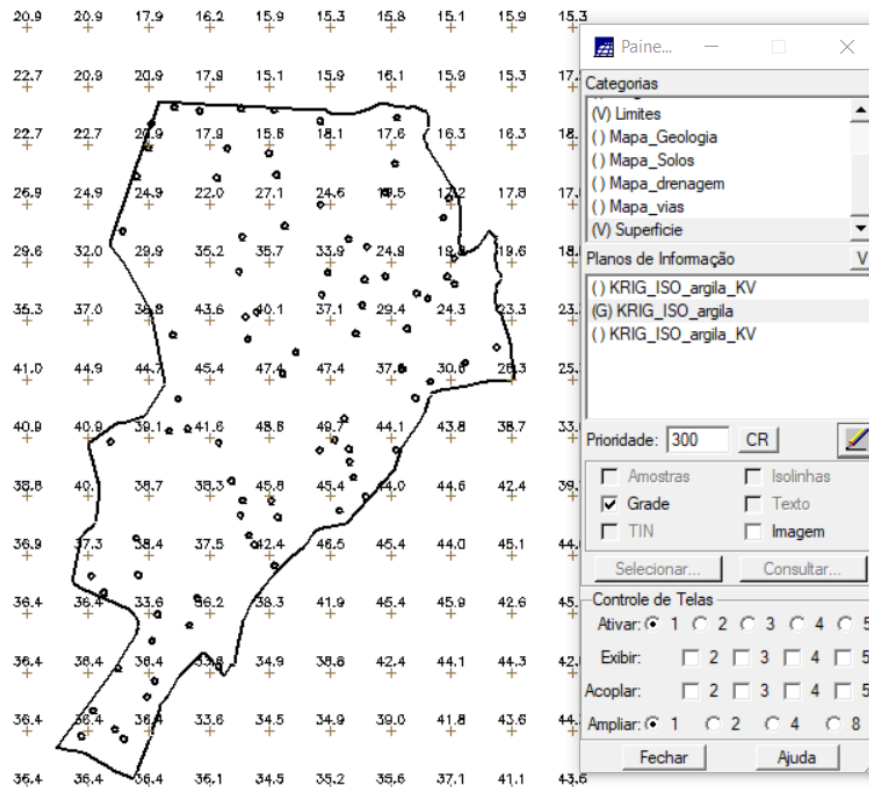
Diagrama de valores observados versus estimados



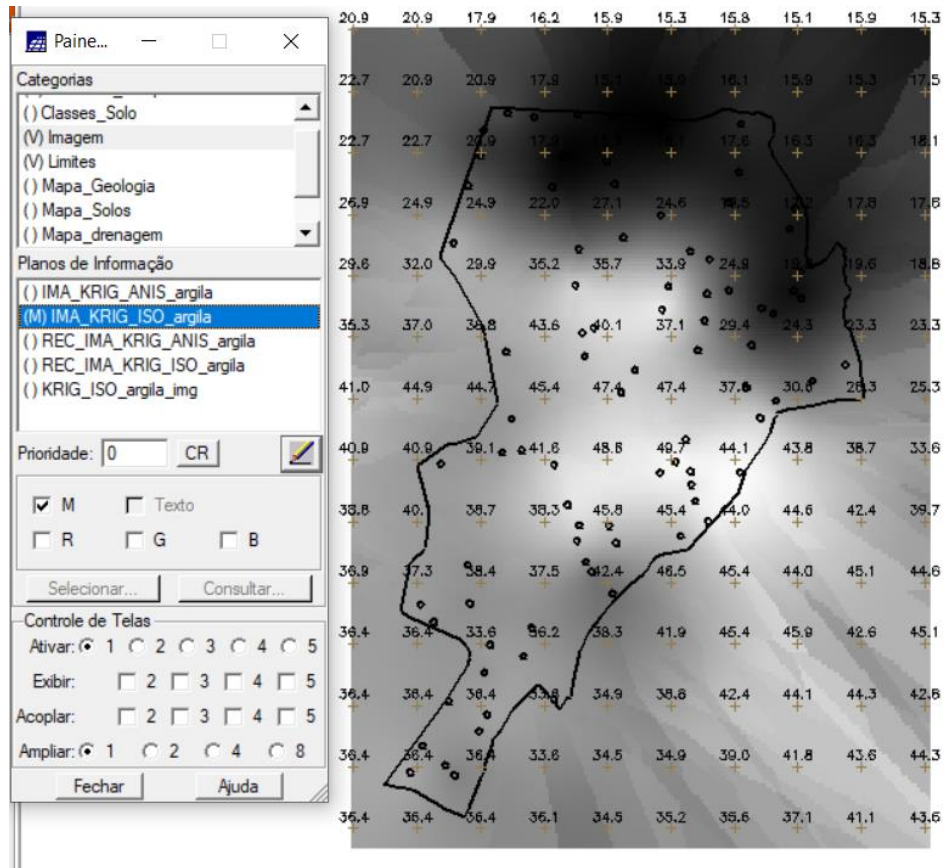
Interpolação por krigeagem ordinária



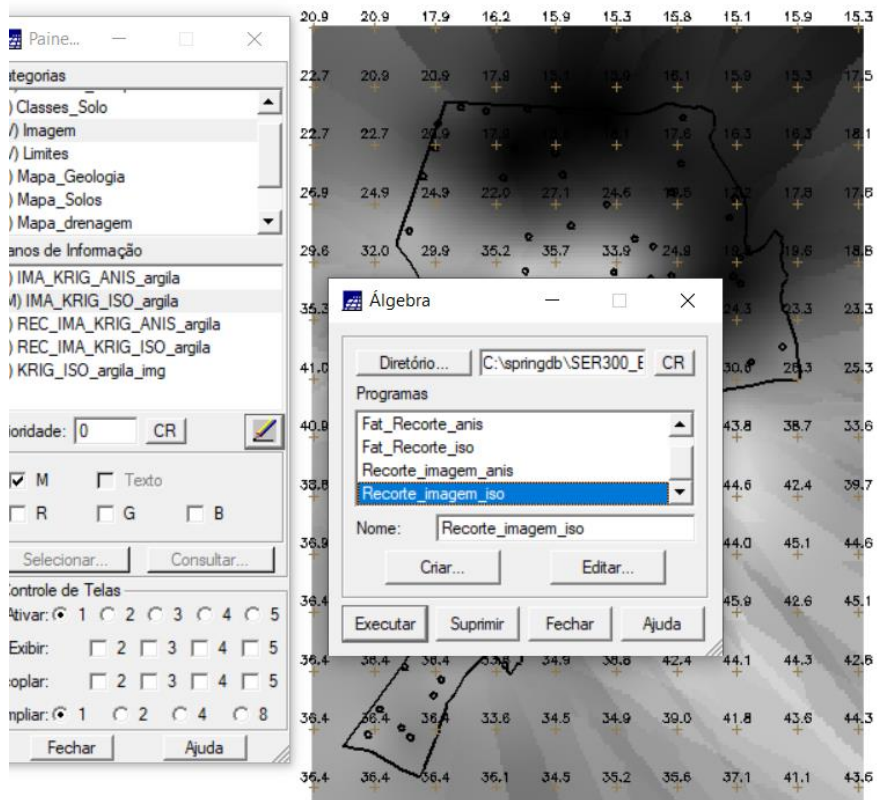
Visualizando a grade de krigeagem gerada para a argila

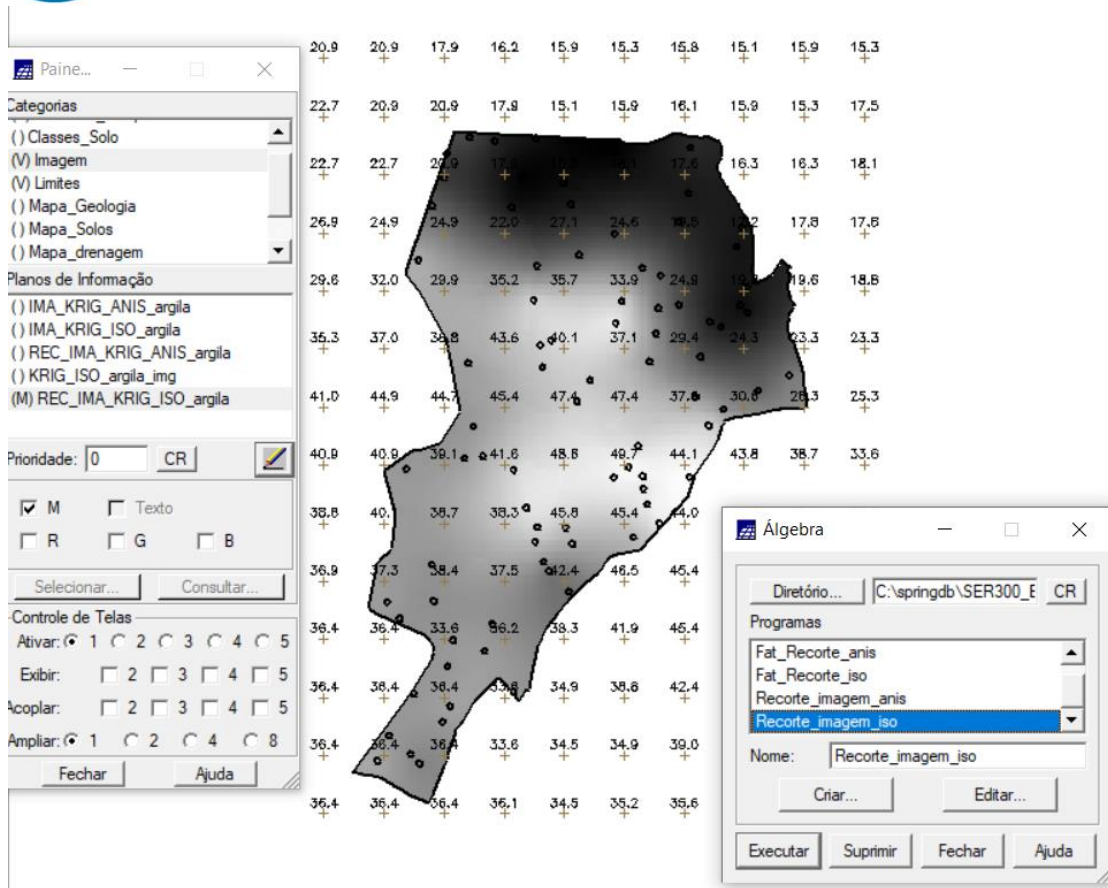


Visualização da superfície de argila

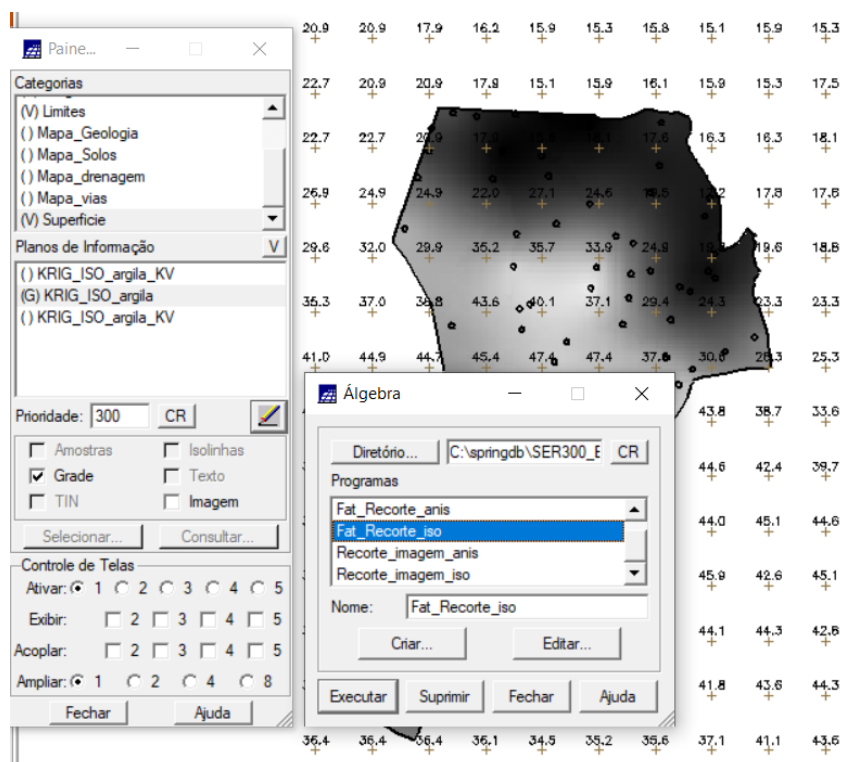


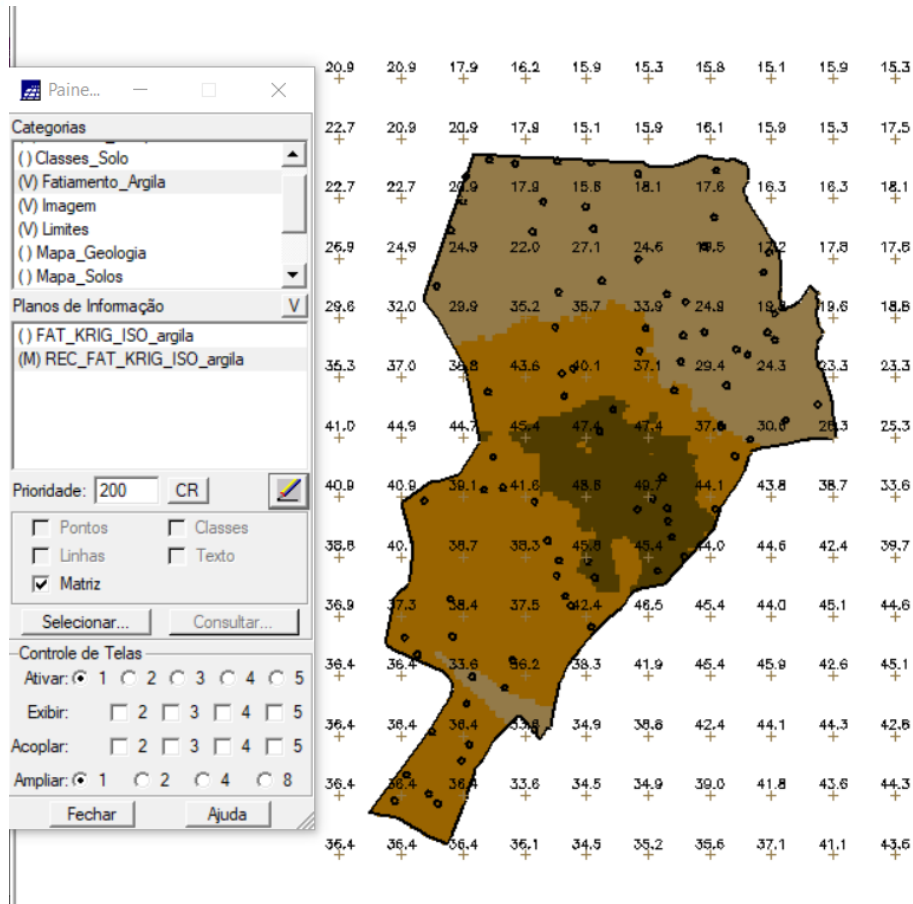
Executar recorte da imagem gerada utilizando LEGAL



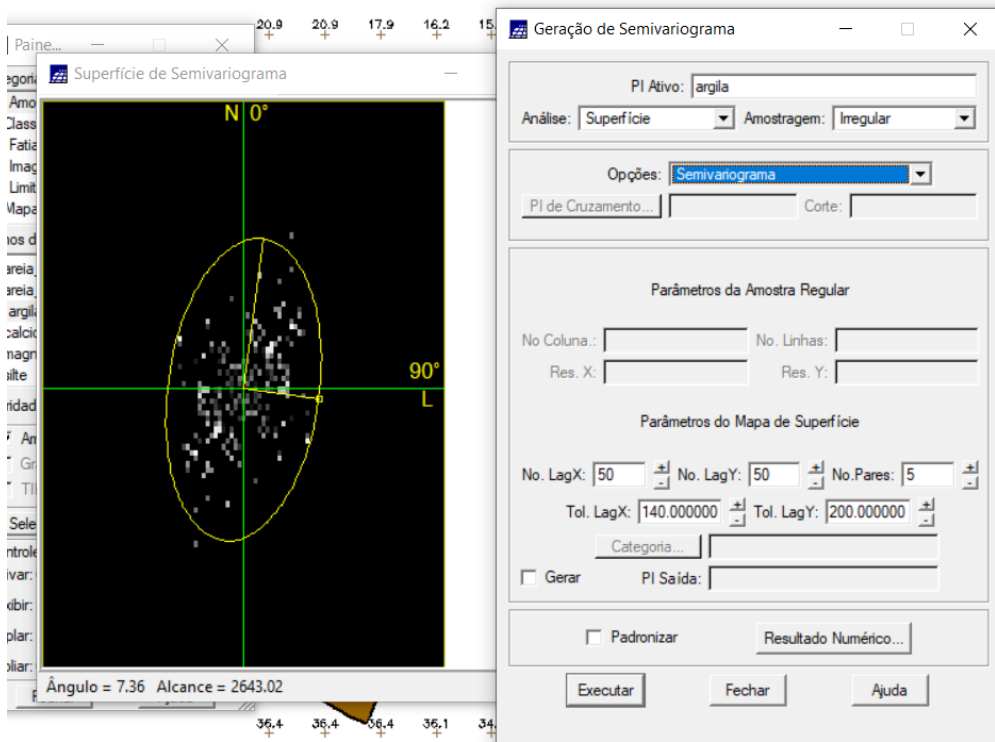


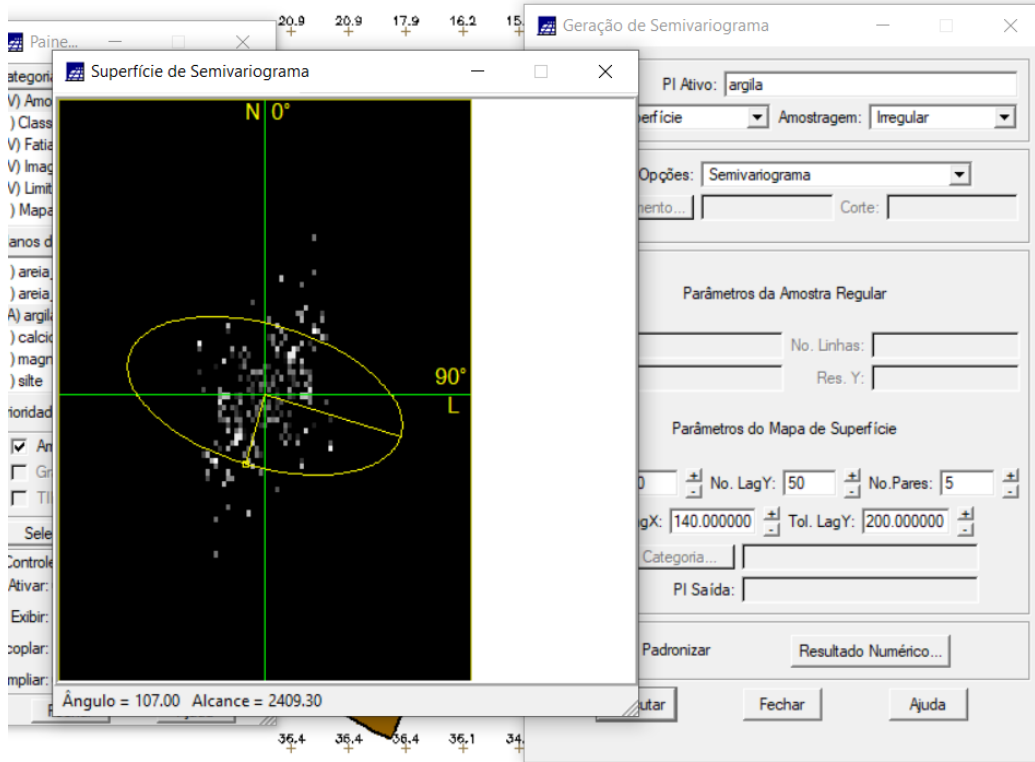
Fatiamento e recorte da grade do teor de argila, segundo classificação especificada



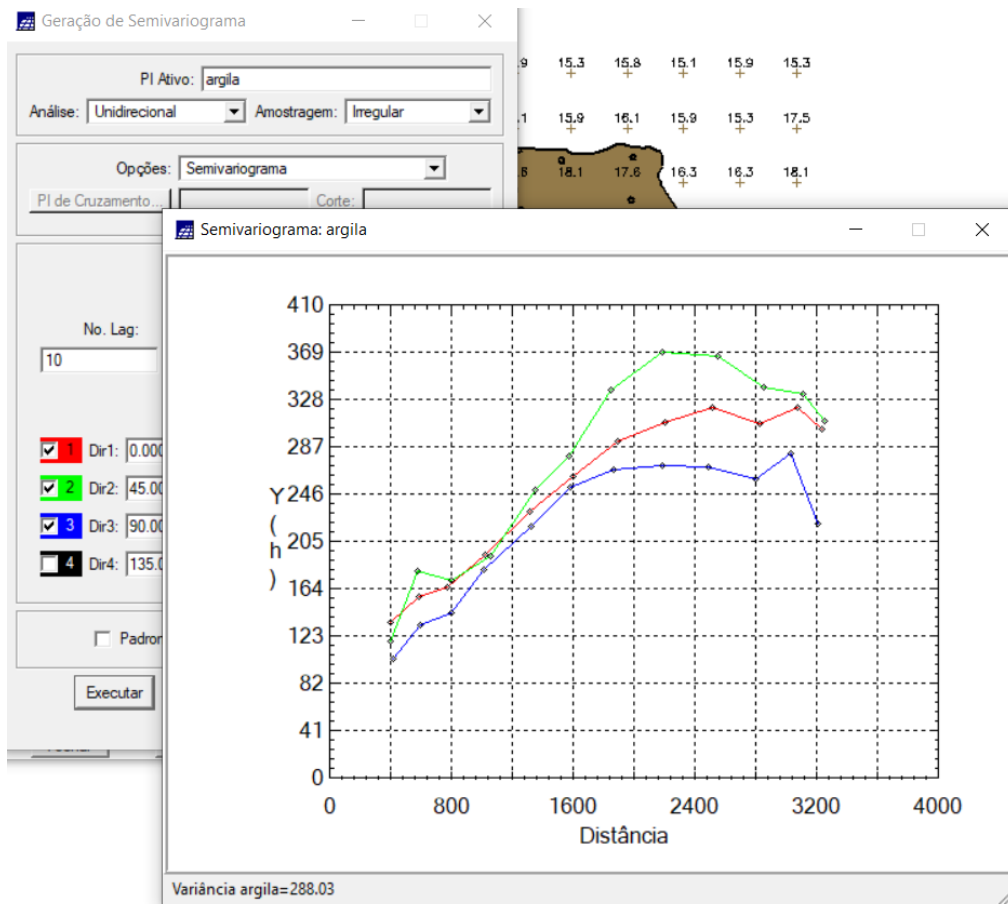


Detecção da Anisotropia

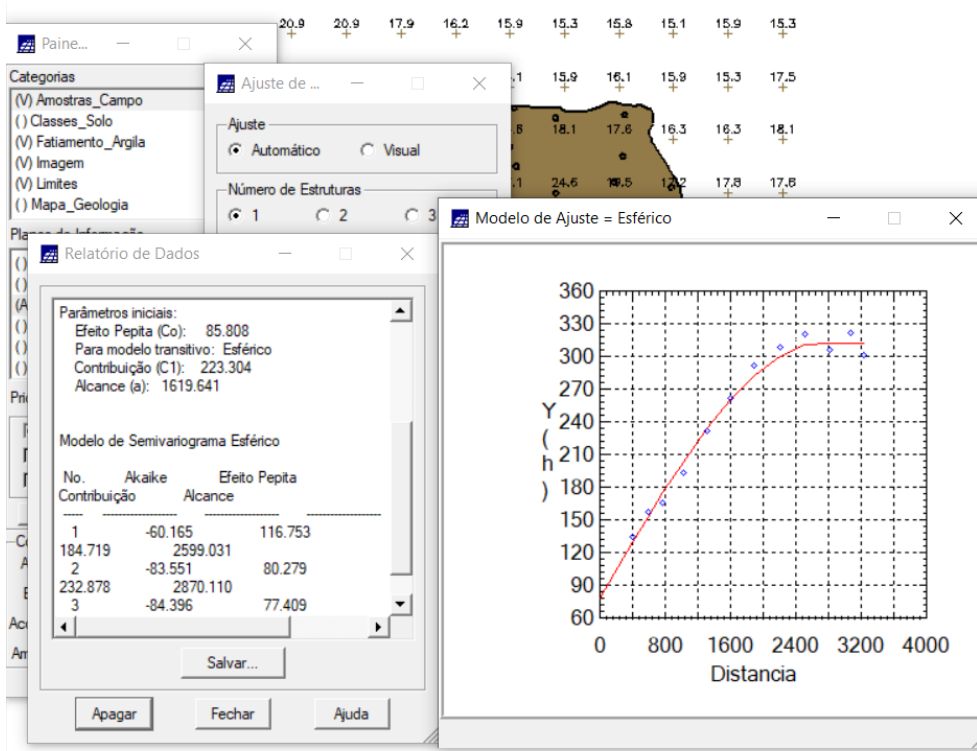




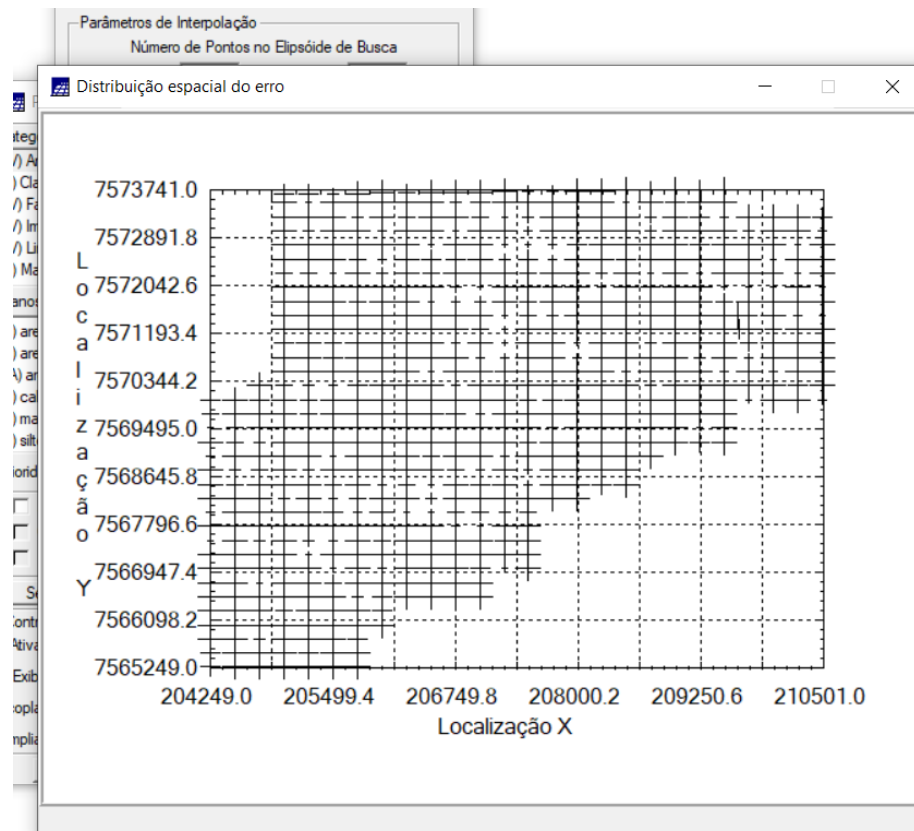
Geração dos semivariogramas direcionais



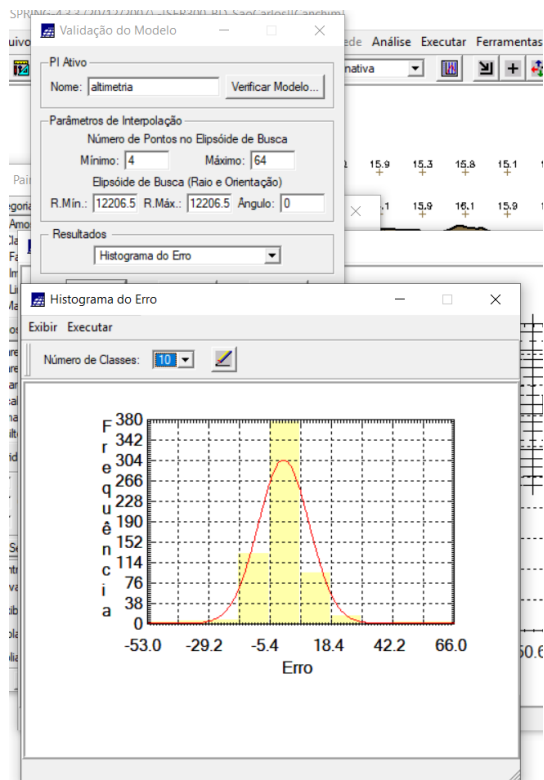
Modelagem dos semivariogramas direcionais



Validação do modelo de ajuste



Histograma do erro



Estatística do erro

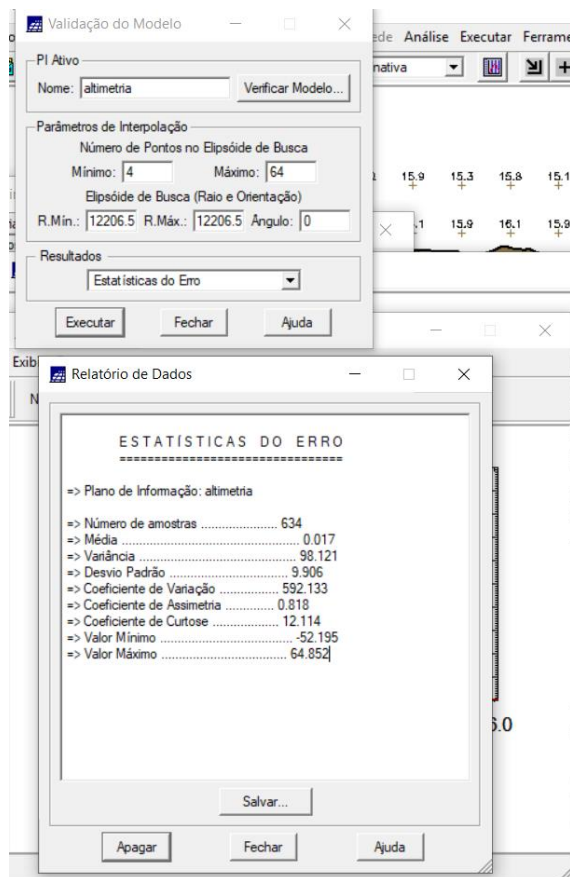
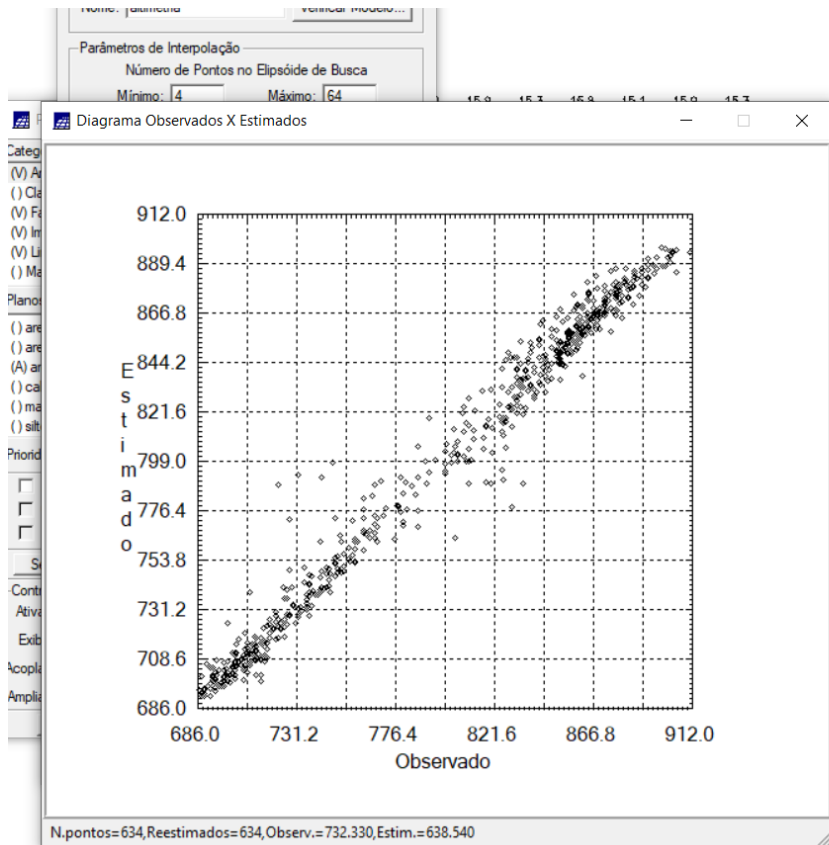
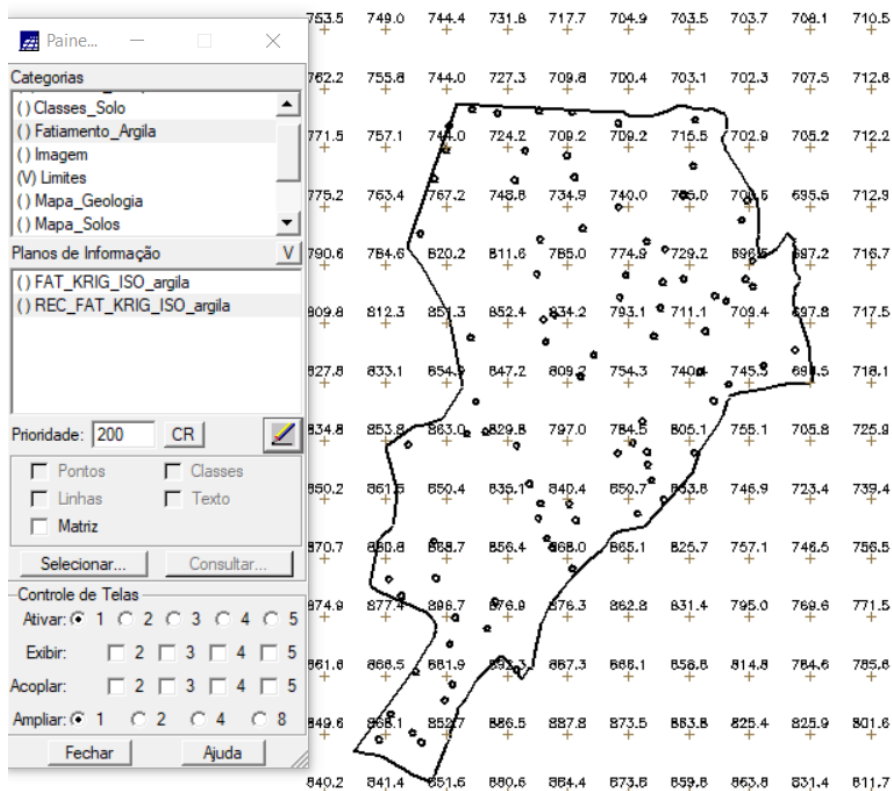


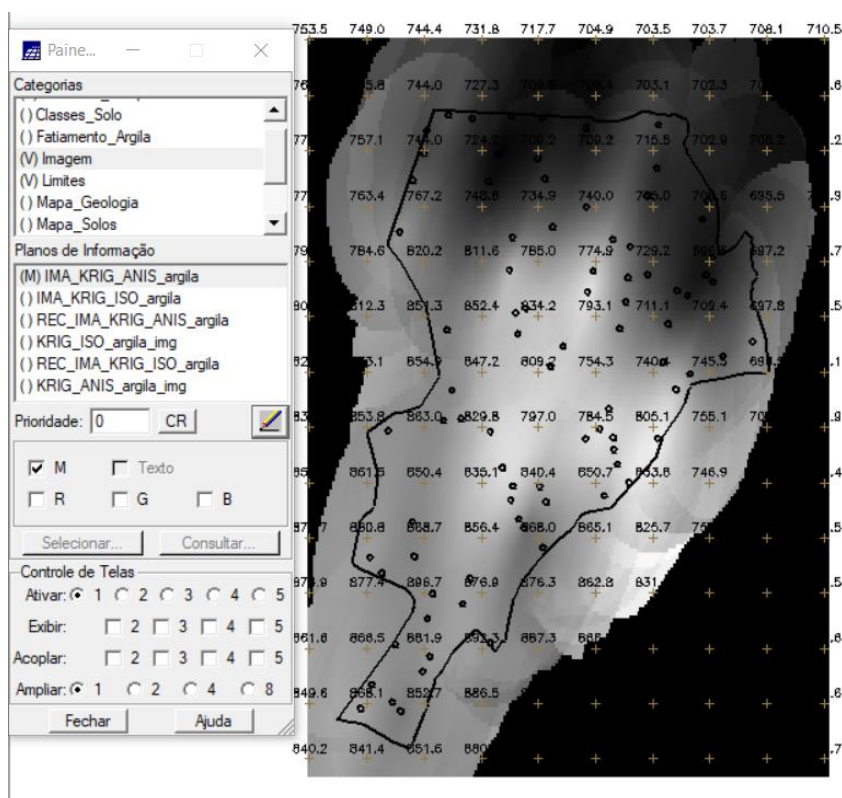
Diagrama de valores Observados versus Estimados



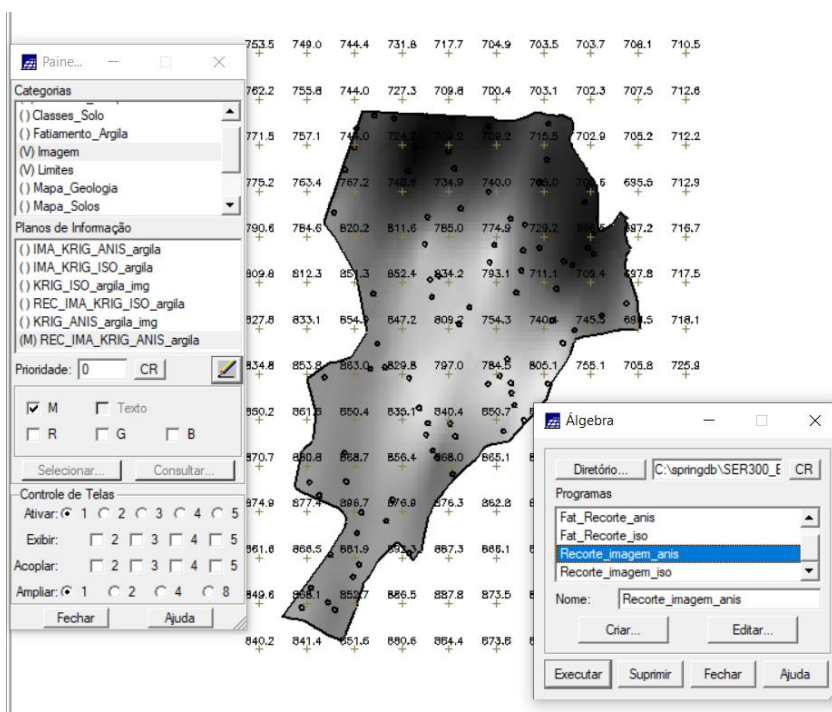
Interpolação por krigeagem ordinária



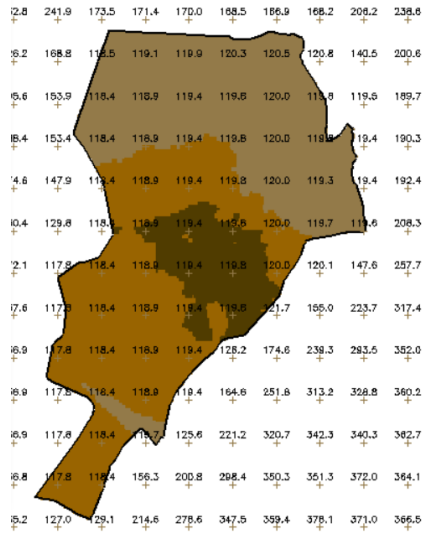
Visualização da superfície de argila oriunda do modelo anisotrópico



Recorte na imagem oriunda do modelo anisotrópico



Fatiamento e recorte na grade de Krigeagem oriunda do modelo anisotrópico.



Análise dos resultados

