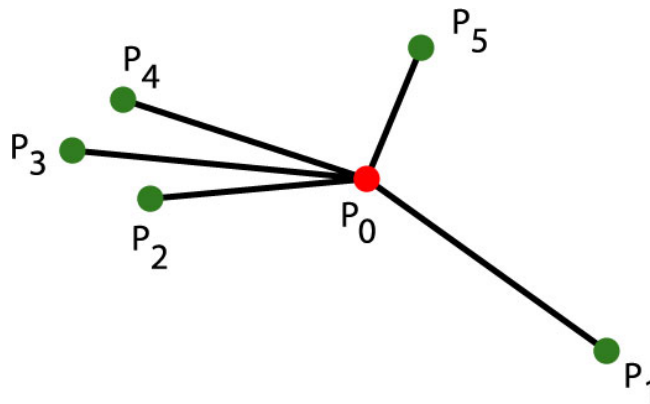


Agterberg's past problems

F P Agterberg's 1970 *Autocorrelation Functions in Geology*
Figure 1 Geologic prediction problem

Values are known for five irregularly spaced points
Value at P_0 is unknown and to be predicted from five known values



F P Agterberg's 1974 *Geostatistics*
Figure 64 Typical kriging problem

Problem is to estimate value at point P_0 from the known values at P_1 to P_5

Agterberg's present problem

What is the variance of his functionally dependent value at P_0 ?
What if all of his known values are equidistant from P_0 ?

Hint: *Geostatistics*, Central limit theorem, 166, 206, 207, 231