

















## Raster Analysis

Neighborhood Analysis近鄰分析: examine the effect of proximity of cells to their neighbors Surface Paths路徑分析: calculate optimal path across a surface of "movement" costs Hydrological Functions水交分析: calculate flow across surfaces and determine watersheds, delineate and order streams, or model subsurface flow



## Network Analysis

Optimal Path最適路徑分析: calculate optimal path through a linear network modeling costs and present written directions

Nearest Facility設施區位分析: locate nearest facility to a defined address or point

Linear Allocations服務分區分派: determine "service areas" by allocating lines to facilities

Routing Solutions路徑排程分析: solve linear transportation problems such as best order routing ("traveling salesman")



## Cartographic Output

Thematic Shading主題標示: shade polygons based on attributes using vector or raster fill patterns including transparent backgrounds

Automatic Text自動文字標示: intelligent text labeling and text overposting

Hybrid Display and Plot混合資料展示: presentation of vector and raster data



## Visualization

3D Display 3D 展示: display data in three dimensional space with control over user viewpoint

Surface Drape資料疊合: drape raster or vector data over a 3D surface

View Calculation視域分析: determine line-ofsight or viewshed from any vantage point and elevation



















