

地理信息系统与遥感应用

第四讲 空间分析专题一

南方科技大学·环境科学与工程学院

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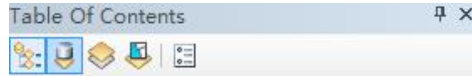
2018年10月11日



Lecture 1

1. Conceptual theory of Information System

2. TOC



- Layer Name
- Layer O

3. Identify




4. Catalog



5. Layout



- Change Layout 
- Insert: Legend, Scale Bar, North Arrow
- 双击Legend可编辑Legend Style , 其他类似

Lecture 2

1. Projected Coordinate System (PCS) & Geographic Coordinate System (GCS);

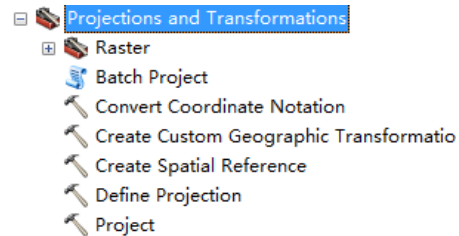
2. UTM & WGS84;

Projected Coordinate System:	WGS_1984_UTM_Zone_49N
Projection:	Transverse_Mercator
False_Easting:	500000.00000000
False_Northing:	0.00000000
Central_Meridian:	111.00000000
Scale_Factor:	0.99960000
Latitude_Of_Origin:	0.00000000
Linear Unit:	Meter

Geographic Coordinate System: GCS_WGS_1984

3. Toolbox:

- Define Project
- Project



Lecture 3

1. Selection

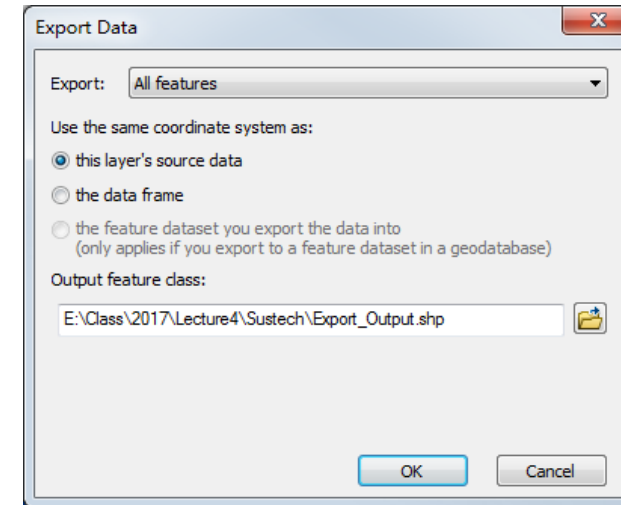
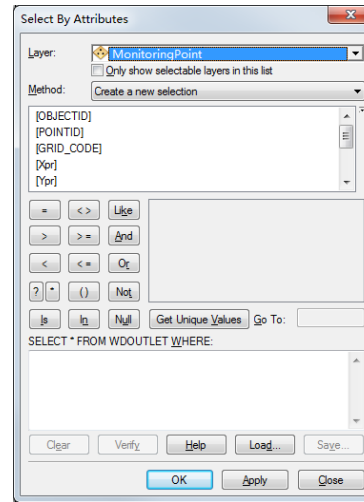
- Selection by attributes
- Selection by location

2. Attribute Table

- Add Field
- Calculate Geometry
- Field Calculator
 - Code block
- Summarize
- Join and Relate

3. TOC:

- Export
- Properties
 - Labels
 - Symbolology



4. Add data

- Shapefile
- Excel

5. Geoprocessing

- Results

Lab4.1 南科大水体景观补水量估算



Lab4.2 新建道路影响鸟类活动区域评估

