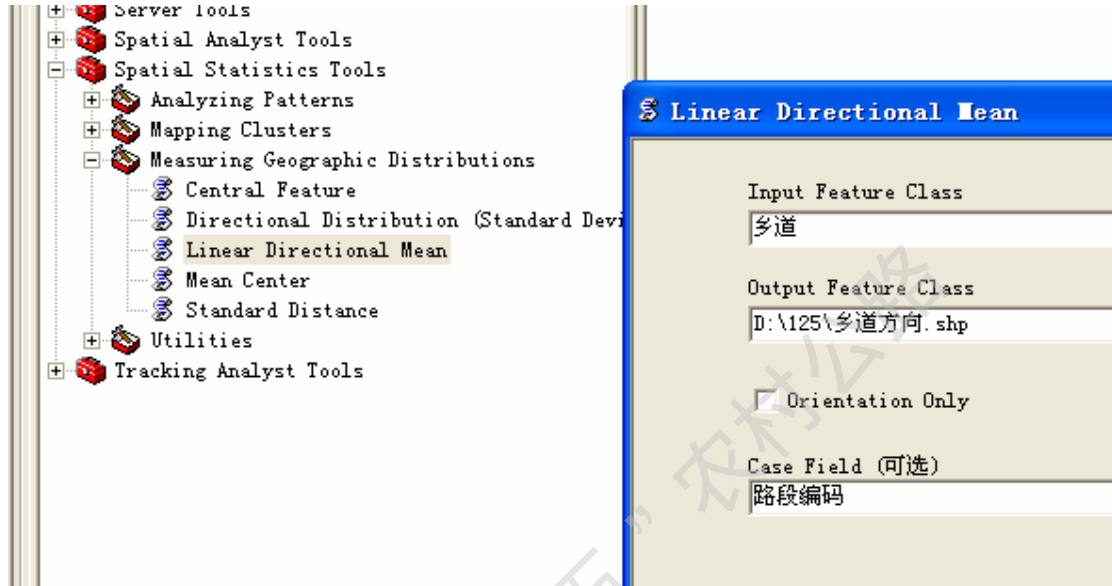


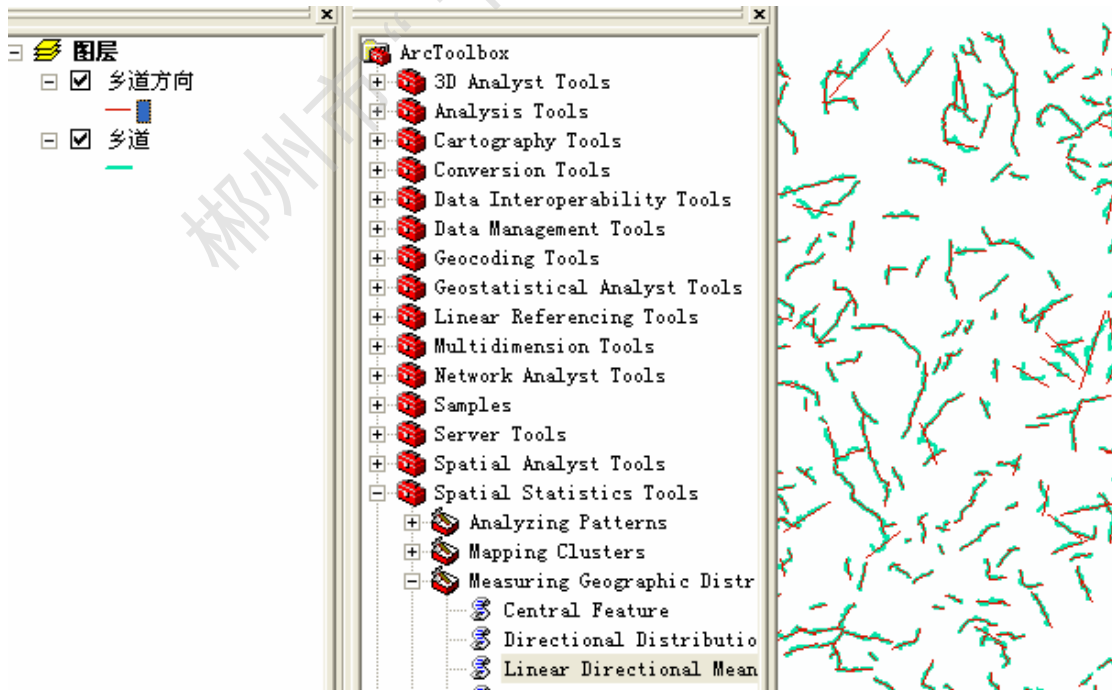
Arcgis 中如何显示线方向

(检查路段方向是否正确)

- 一、启动 Arcmap，添加需要检查路线方向的图层，在工具箱中打开 Spatial Statistics Tools—Measuring Geographic Distributions--Linear Directional Mean (平均线方向) “input...” 选择路线图层，“output...” 取名“乡道方向”，“case...” 选择“路段编码”



确定后生成“乡道方向”图层



打开“乡道方向”属性表，字段“CompassA”即为路线方向值

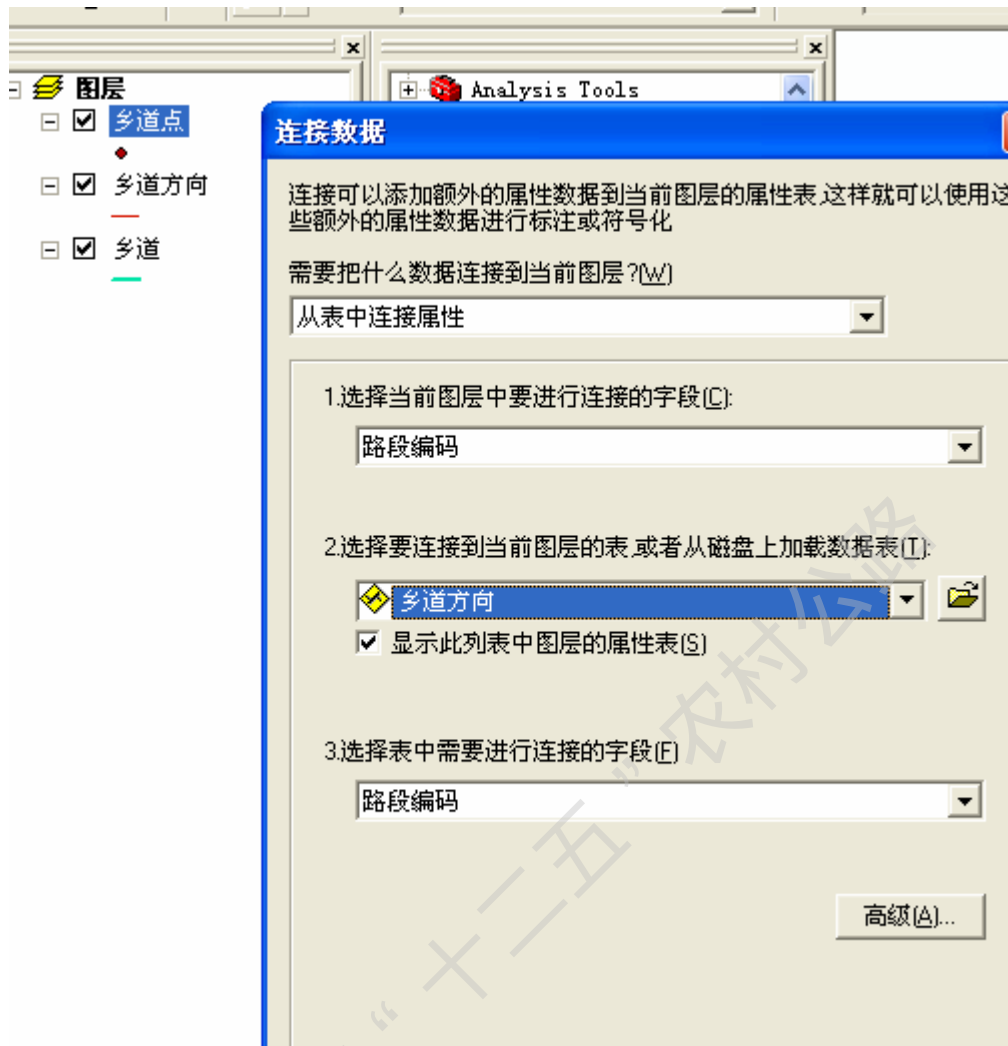
FID	Shape *	Id	CompassA	DirMean	CirVar	AveX	AveY
0	Polyline	0	85.723396	4.27662	0	113.034	25.494699
1	Polyline	0	107.774	342.22601	0	113.054	25.483601
2	Polyline	0	142.739	307.26099	0	113.044	25.487301
3	Polyline	0	65.493797	24.506201	0	113.079	25.4764
4	Polyline	0	108.563	341.43701	0	113.066	25.4767
5	Polyline	0	93.683899	356.31601	0	113.104	25.468399
6	Polyline	0	112.848	337.15201	0	113.089	25.474199
7	Polyline	0	294.18701	155.813	0	113.075	25.463499
8	Polyline	0	84.865097	5.13487	0	113.115	25.469601
9	Polyline	0	347.73099	102.269	0	113.09	25.448601

二、生成路段上的点，工具箱—Data Management Tools—Features—Feature Vertices To Points（要素到点）

“输入要素”选“乡道”，“输出要素”改名为“乡道点”，“点类型”选“MID”。

FID	Shape *	Id	Comp
0	Polyline	0	85
1	Polyline	0	
2	Polyline	0	
3	Polyline	0	65
4	Polyline	0	
5	Polyline	0	93

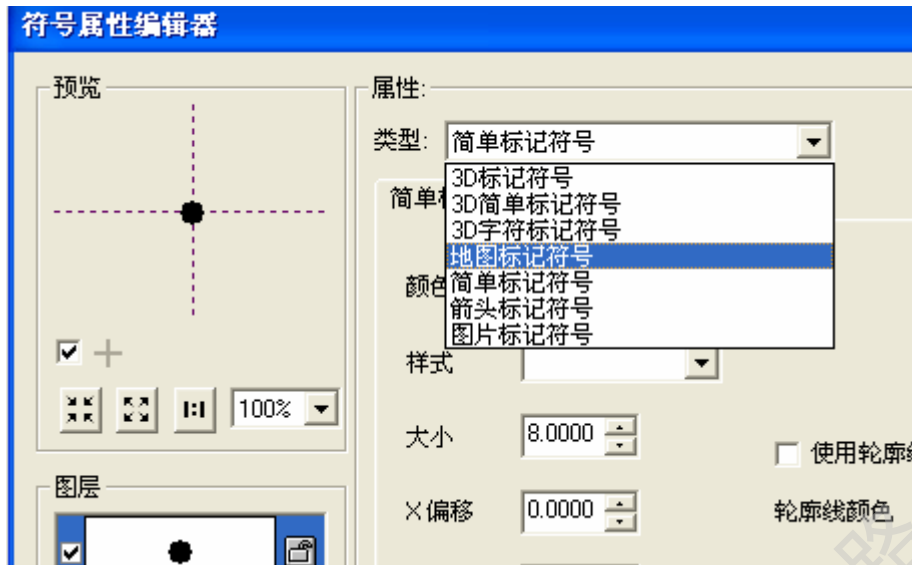
生成乡道点图层，在乡道点图层进行连接，与乡道方向图层连接，关键字段选“路段编码”



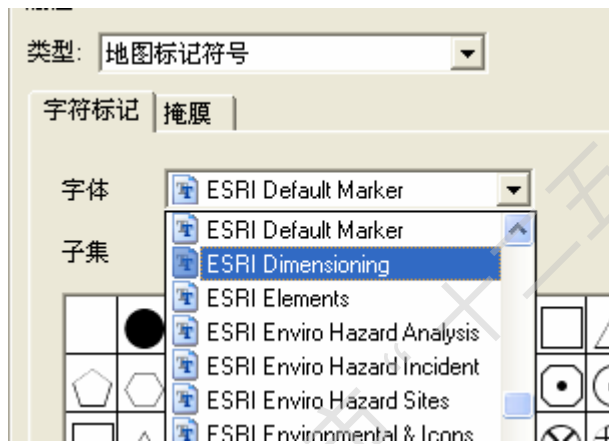
三、在“乡道点”图层上右键属性，选择符号化菜单



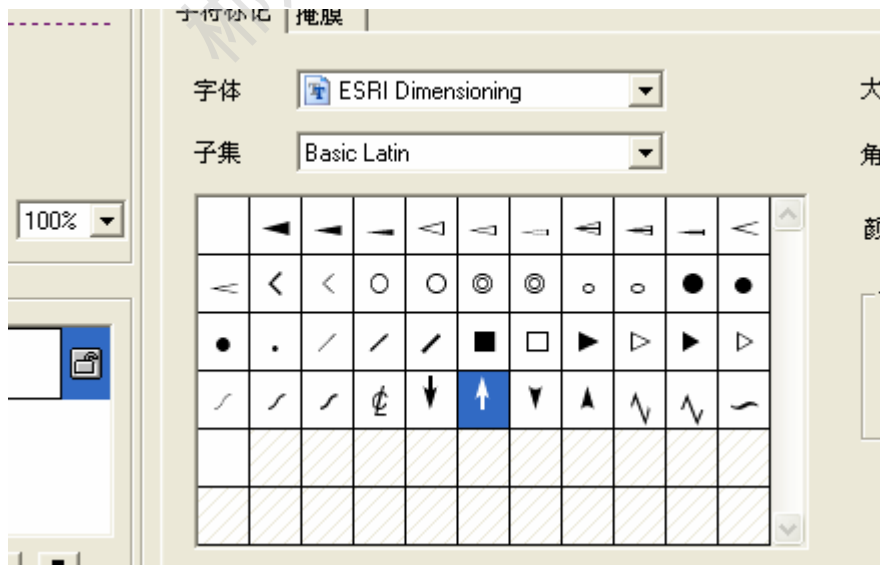
点符号，类型选“地图标记符号”



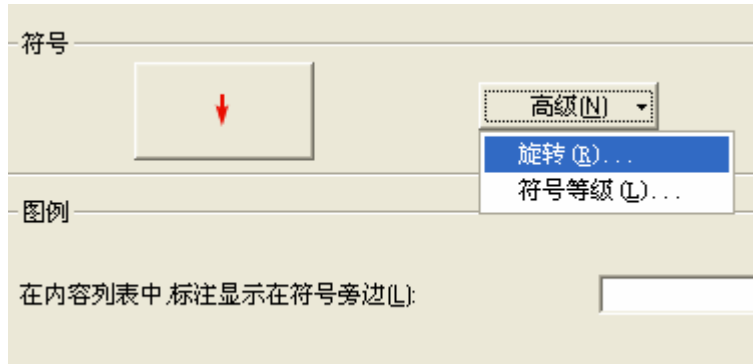
字体选第二项，“ESRI Dimensioning”



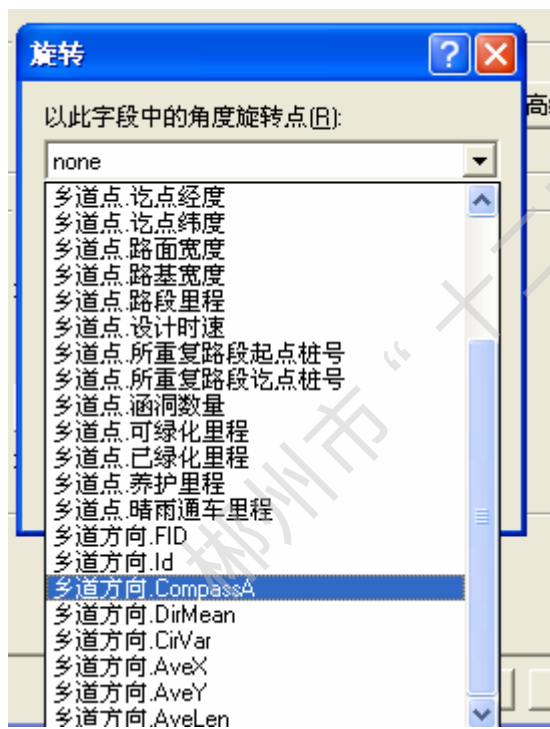
选择方向箭头



點選高級下的“旋轉”



旋轉角度選擇“鄉道方向.CompassA”



生成按路线方向标准的箭头，检查无误后可移除“乡道方向”图层
(箭头方向与路线方向相反是符号选择错误，需重新选择)

