## Spatail Analyst 2 (Find the create areas for the new stroes)

1.สร้าง Model คลิก Model > Model Properties >Enviroments กดเลือก Processing Excent >Excent และ Raster Analysis>Cell Size จากนั้น คลิก Values กดเลือกตามภาพ

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2.กด Arc ToolBox >Spatial Analyst Tools>Density>ลาก Kernel Density ลงหน้า model

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3.Double Click Kernel Density ทำการเปลี่ยนข้อมูลดังภาพ คือ1. Input> pop.shp 2.Popular Field >POP100 และ 3.OutPut Cell size >250 กดOK แล้ว Run

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4.เมื่อ Run เสร็จ ให้ Add to display ดังภาพ \*\*\*หมายเหตุ ทำการ Add to Display ทุกครั้ง เมื่อ Run เสร็จ





5.กด Arc ToolBox > Convension Tools>To Raster>ลากPolygon To Raster ลงหน้า model

6.Double Click Polygon To Raster ทำการเปลี่ยนข้อมูลดังภาพ คือ1. Input>lifestyle.shp

2.Value Field >Joescust และ 3. Cell size >250 กดOK แล้ว Run



7.Add Data > stores.shp คลิกไปที่ Selection>Select By Attributes >Layer เลือก Stores คลิกที่



"REVENUES">0 แล้ว คลิก Ok

8.กด Arc ToolBox >Spatial Analyst Tools>Distance>ลาก Euclidean Distanceลงหน้า model



- 9. Double Click Euclidean Distanceทำการเปลี่ยนข้อมูลดังภาพ คือ1. Input> stoes.shp
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- 2.OutPut Cell size >250 กดOK แล้ว Run

10. ทำการReclassify ทั้ง3 Class ดังนี้ Reclassify stores.shp จำนวน 5 class ,Reclassify pop.shp จำนวน 4 class , Reclassify lifestyle.shp จำนวน 10 class

1.Reclassify stores.shp จำนวน 5 class > กด Arc ToolBox >Spatial Analyst Tools>Reclass>ลาก

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2.Reclassify pop.shp จำนวน 4 class > กด Arc ToolBox >Spatial Analyst Tools>Reclass>ลาก

Reclassifyลงmodel ทำการแก้ข้อมูลดังภาพ >กด ok>run



3.Reclassify lifestyle.shp จำนวน 10 class > กด Arc ToolBox >Spatial Analyst Tools>Reclass>ลาก

Reclassifyลงmodel ทำการแก้ข้อมูลดังภาพ โดย Classification>Classes >10> ok> ok>run

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11.หาตำแหน่งที่เหมาะสม โดยการประมวลทั้ง 3 layerที่ทำการ Classifyแล้ว ซึ่งมีวิธีดังนี้

1.กด Arc ToolBox >Spatial Analyst Tools>Map Algebra>ลาก Rester Calculator ลงหน้า model

2. Double Click Raster Calculator ใส่ฟังก์ชั่น

((Reclassify stores.shp )+(Reclassify pop.shp )+( Reclassify lifestyle.shp ))/3 กดOK >Run จะได้ Model ดังภาพ กด Add to Display ก็จะแสดง ตำแหน่งที่เหมาะสมในการหาที่ตั้งของร้านค้า



## ภาพ Model



## 12.ผลLab





By Pechrida Pechkong 5310554211