1. $d = \sqrt{(x_1 - y_1)^2 + (x_2 - y_2)^2 + (x_3 - y_3)^2 + \cdots}$

x_1 y_1 $(-0.326 - (-0.0358)^2 = (-0.2902)^2 = 0.0842$

x_2 y_2 $(0.3485 - 1.618)^2 = (-1.2695)^2 = 1.6116$

x_3 y_3 $(-.1749 - (-0.4028)^2 = 0.2279^2 = 0.0519$

Tot $0.0842 + 1.6116 + 0.0519 + 0.0064 + 0.752 + 0.0285 +$

$0.246 + 0.317 = 3.0976$

$\sqrt{3.0976} = 1.76$

Eu. Dist.

2. d: $|x_1 - y_1| + |x_2 - y_2| + \dots$

$x_1 = |-0.3262 - 0.1447| = |-0.4709| = 0.4709$

$x_2 = |0.3485 - (-1.9527)| = |2.3012| = 2.3012$

$y_1 = |-0.1747 - 0.0882| = |-0.2631| = 0.2631$

$y_2 =$

$y_3 =$

$0.4709 + 2.3012 + 0.2631 = 3.0352$

$0.9127 + 1.4202 = 2.3329$

Manhattan Dist.

$\sum d = |x_1 - y_1|^3 + |x_2 - y_2|^3 + \cdots$

x_1: $|-0.0350 - .1442|^3 = (.1805)^3 = 0.0059$

y_1: $|1.6(5 - (-1.953)|^3 = 3.571^3 = 45.5375$

x_2

y_2

$0.0059 + 45.5375 + 0.1056 + 0.0022 + 0.0313 +$

$0.0006 + 0.0072 + 1.564 = 47.3073$

$\sqrt[3]{47.3073} = 3.617$ Done!!

47.3291

$\sqrt[3]{47.3291} = 3.617$

Min Dist.