Dwelling Burglary

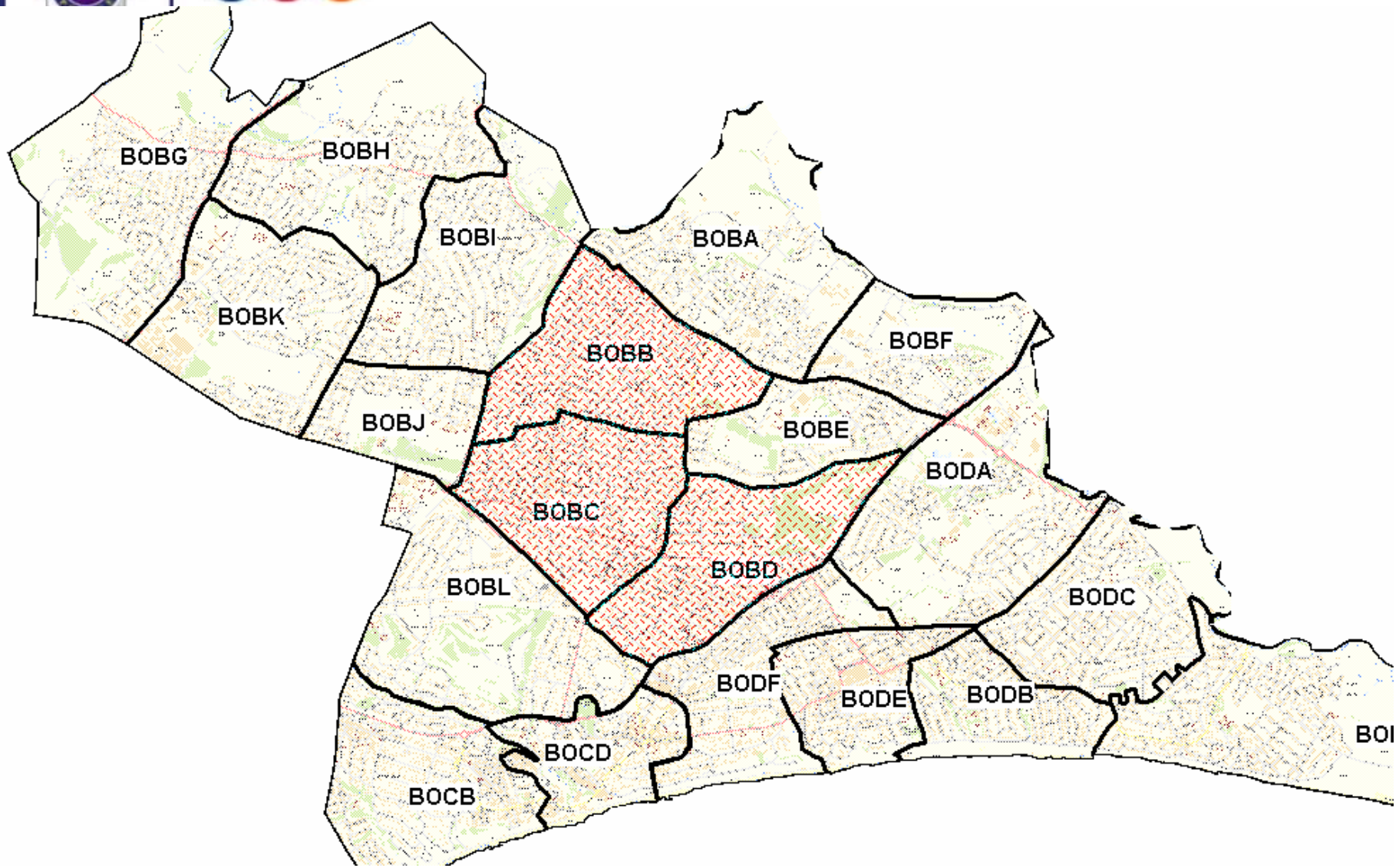
The ‘near repeat’ phenomena – Predictive analysis?

And your point is?

In certain space time situations each dwelling burglary event can be used as a predictive indicator

If we can predict crime in space & time then we can REDUCE crime in space & time.

Where in Bournemouth?

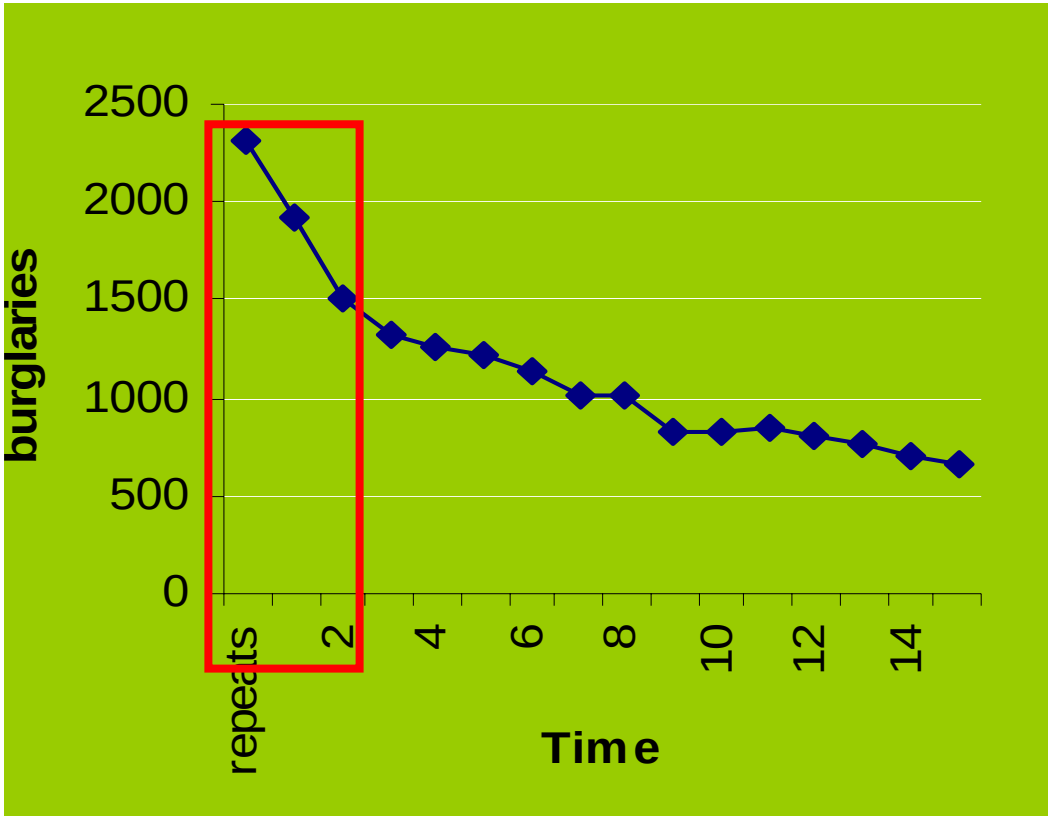


Reduction Strategy

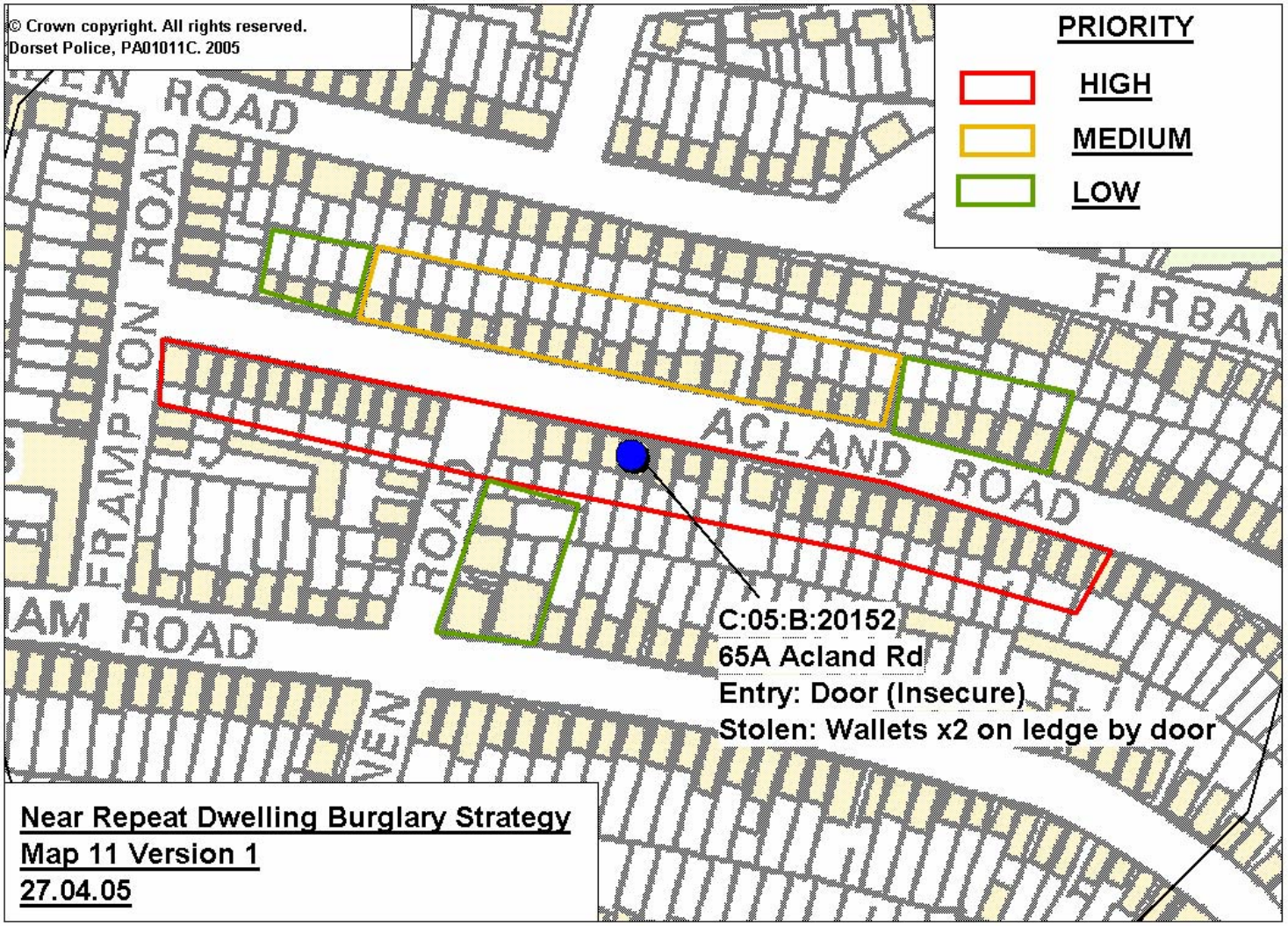
- **Trigger plan when burglary occurs in designated beat area**
- **Prepare map & identify high risk properties**
- **PCSO's &/or other resources to visit high risk properties <u>asap</u>**

Reduction Strategy

- **Why a.s.a.p.?**



- **Distance decay effect – Best window of opportunity is 48 hours.**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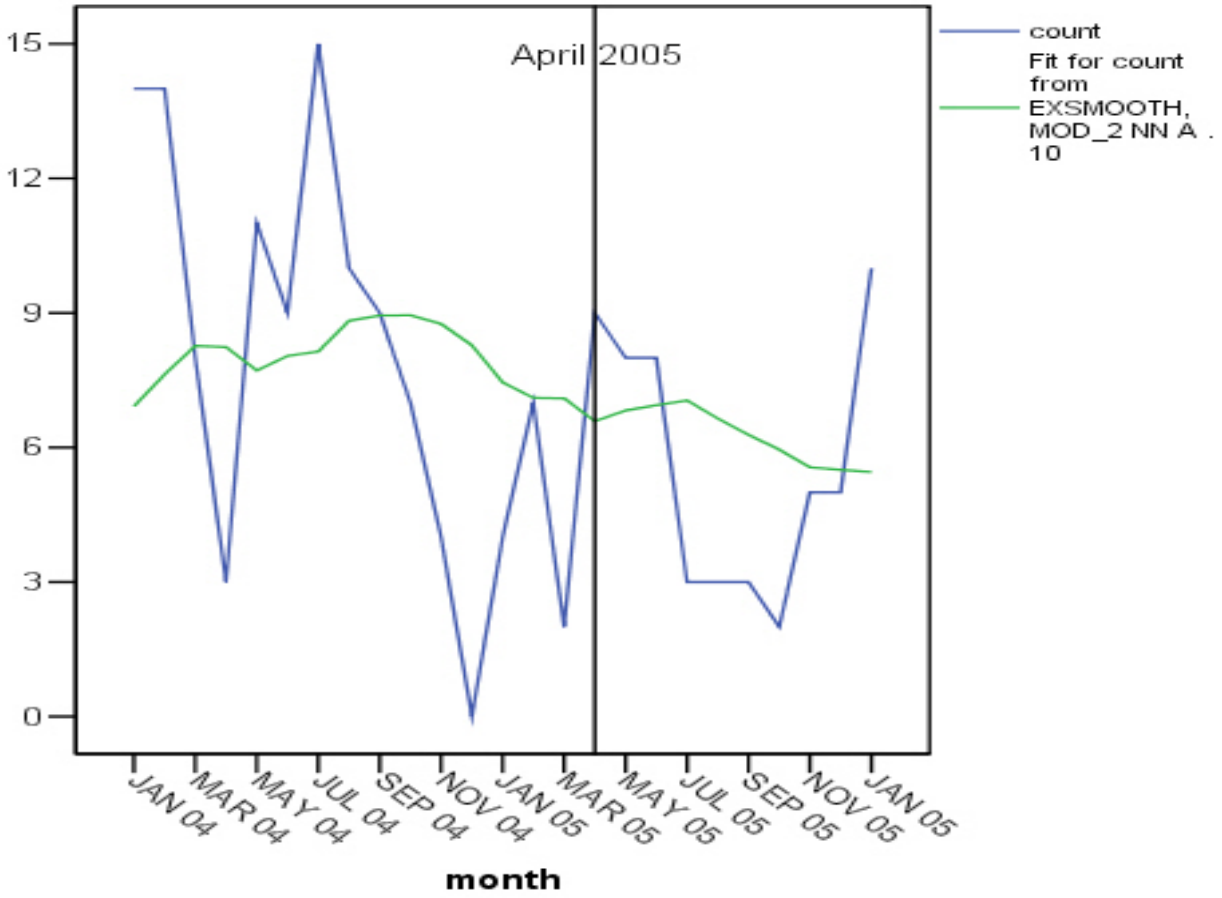
Dorset Police, PA01011C. 2005
PRIORITY
HIGH
MEDIUM
LOW
ACLAND ROAD
FRAMPTON ROAD
C:05:B:20152
65A Acland Rd
Entry: Door (Insecure)
Stolen: Wallets x2 on ledge by door
Near Repeat Dwelling Burglary Strategy
Map 11 Version 1
27.04.05

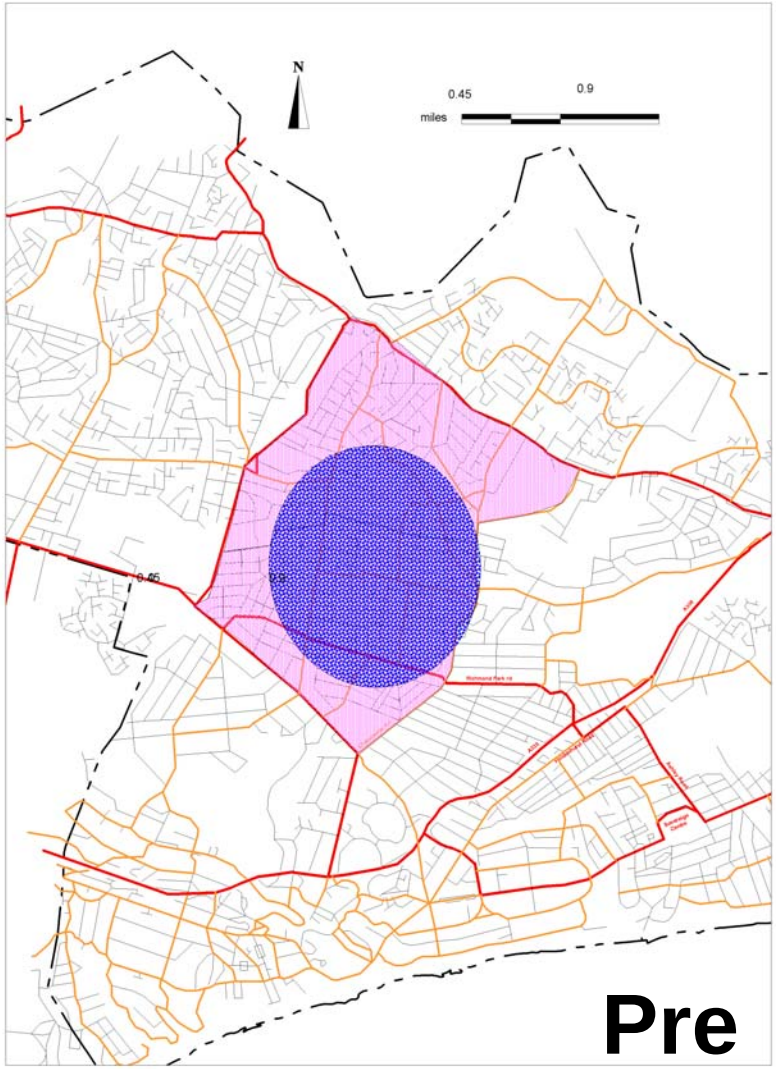
Evaluation

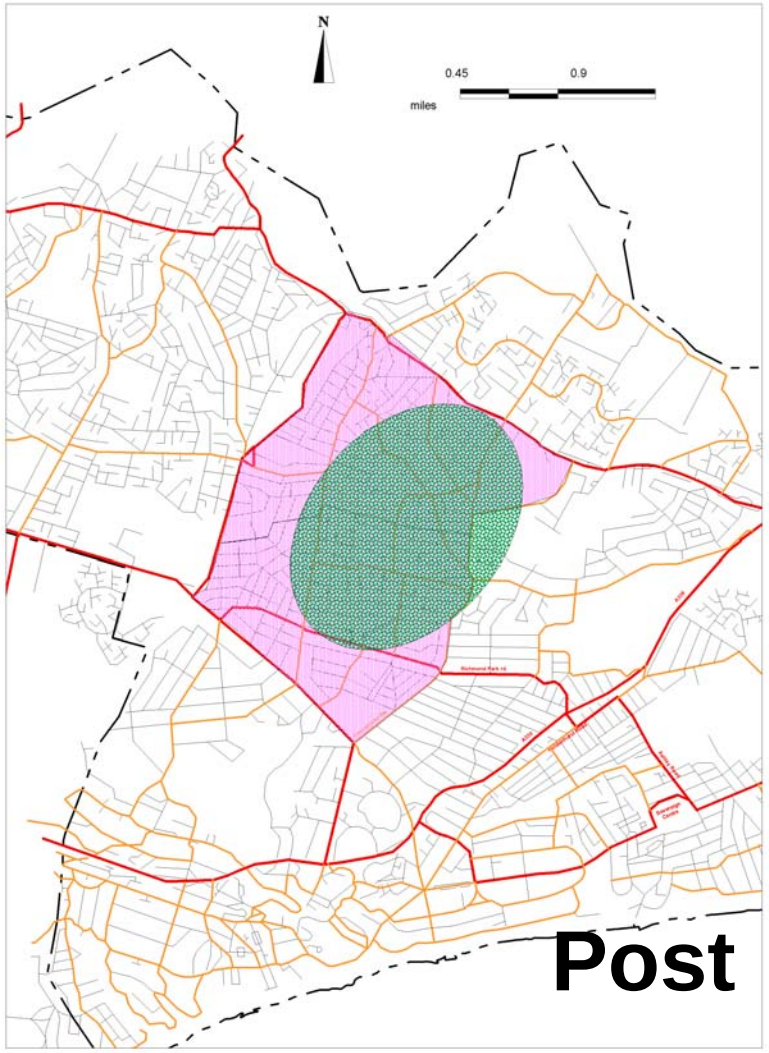
Divisional reduction 2004/'05 to 2005/06 –27%



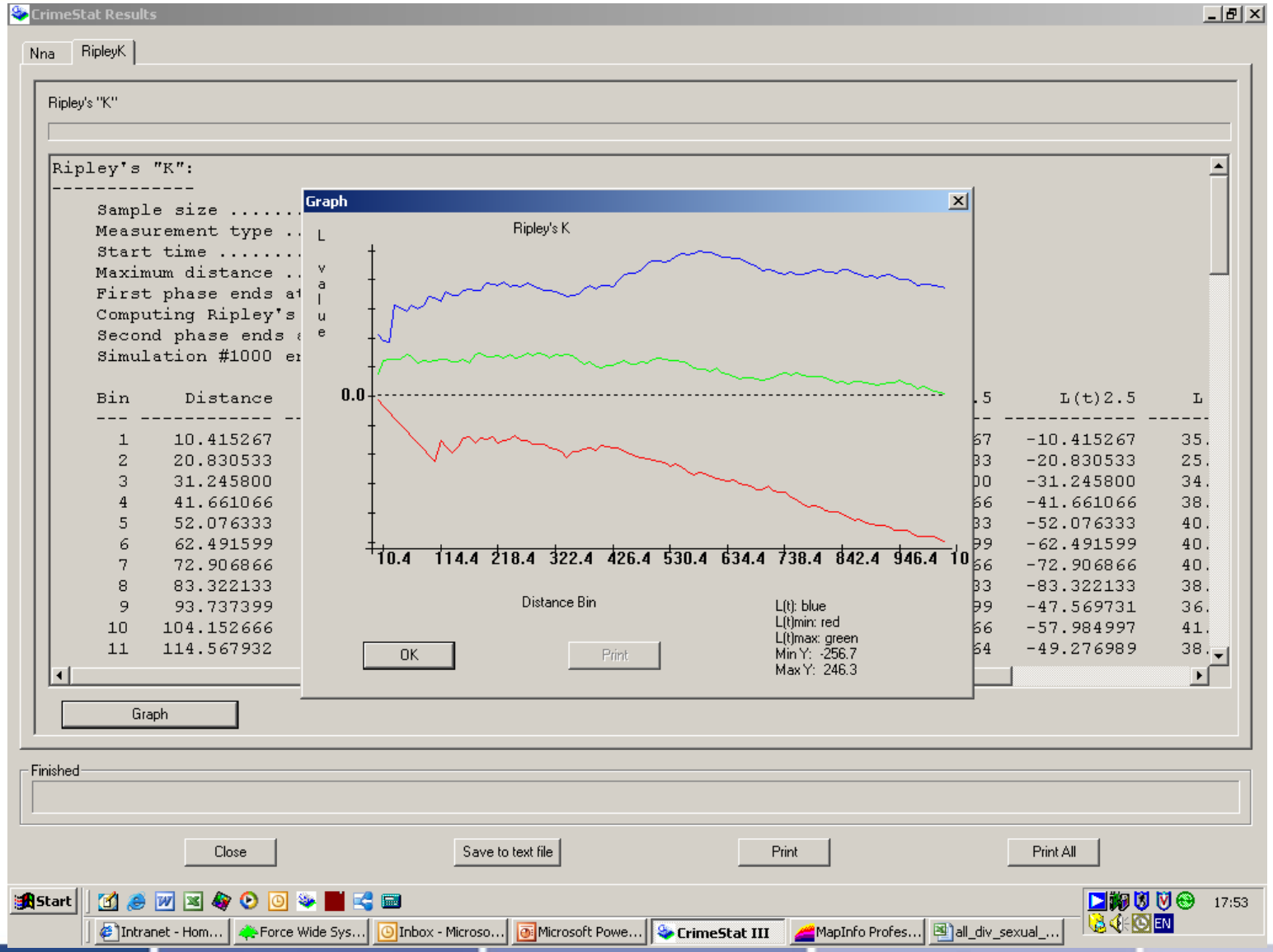
Near repeat area reduction 32.5%

Evaluation



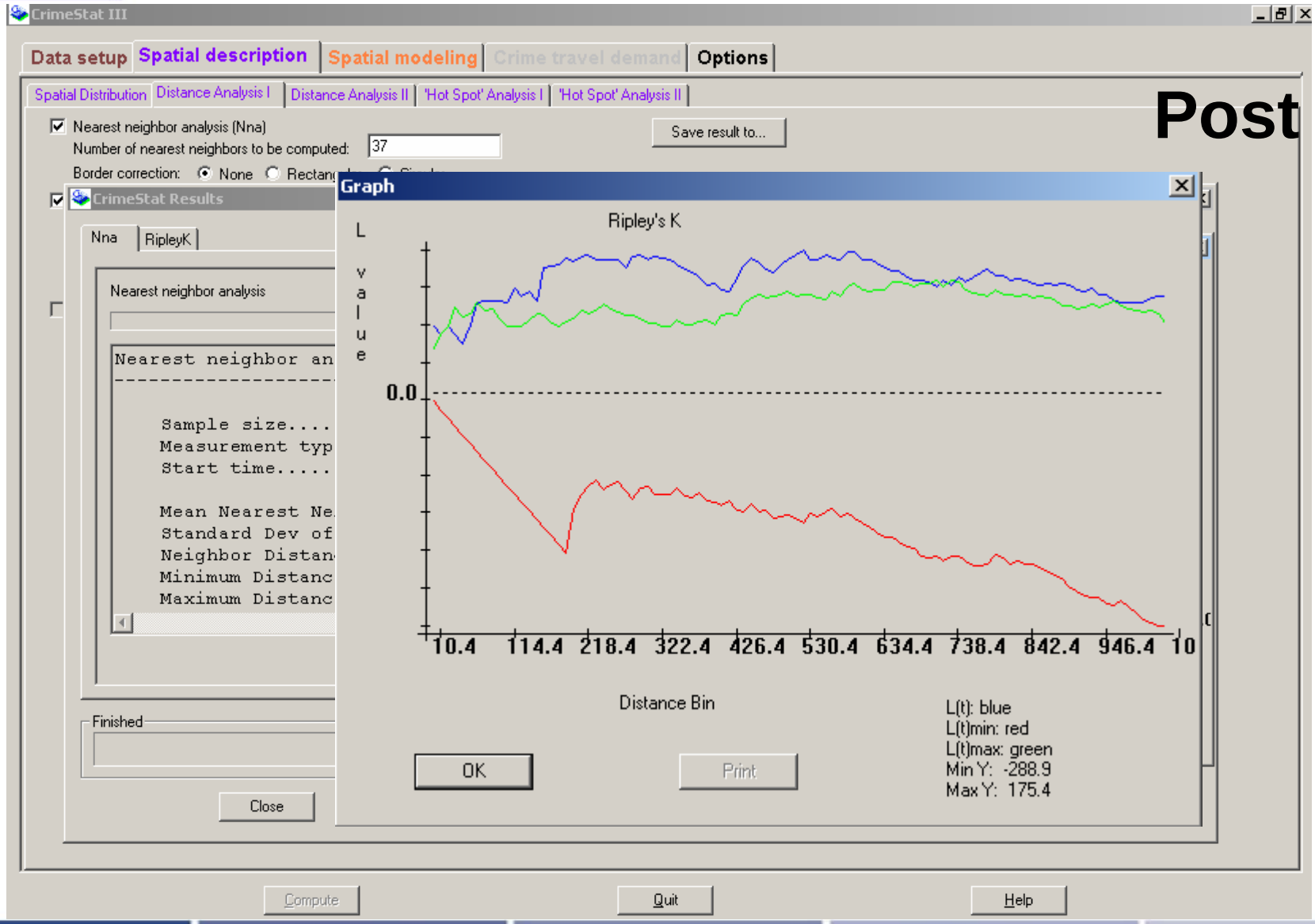


Evaluation


CrimeStat Results
Nna
RipleyK
Ripley's "K"
Ripley's "K":
Sample size .....
Measurement type ..
Start time .....
Maximum distance ..
First phase ends at
Computing Ripley's
Second phase ends
Simulation #1000 er
Bin Distance
1 10.415267
2 20.830533
3 31.245800
4 41.661066
5 52.076333
6 62.491599
7 72.906866
8 83.322133
9 93.737399
10 104.152666
11 114.567932
L(t)2.5 L
-10.415267 35.
-20.830533 25.
-31.245800 34.
-41.661066 38.
-52.076333 40.
-62.491599 40.
-72.906866 40.
-83.322133 38.
-47.569731 36.
-57.984997 41.
-49.276989 38.
Graph
Ripley's K
L
v
a
l
u
e
0.0
10.4 114.4 218.4 322.4 426.4 530.4 634.4 738.4 842.4 946.4 10
Distance Bin
L(t): blue
L(t)min: red
L(t)max: green
Min Y: -256.7
Max Y: 246.3
OK
Print
Graph
Finished
Close
Save to text file
Print
Print All
Start
Intranet - Hom...
Force Wide Sys...
Inbox - Microso...
Microsoft Powe...
CrimeStat III
MapInfo Profes...
all_div_sexual_...
17:53

Evaluation

Post



New advances

- Community support
- Text messaging
- Auto crime
- Enforcement opportunities
- Other acquisitive crime types?

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