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Larry Blume Robert P. Parks [1]

September 20, 1993

[1]Thanks to Paul Ginsparg and Joe Carlson for making their softare available tous, and the Department of Economics for the equipment.

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WHY

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Econometrics: JEL Classification C1-C5,C8,	ewp-em@econwpa.wustl.edu
Microeconomics JEL Classifications D1-D4	ewp-mic@econwpa.wustl.edu
GE, Growth, Math methods JEL Classifications C6,D5,D9	ewp-ge@econwpa.wustl.edu
Game Theory and Information JEL Classifications C7,D8	ewp-game@econwpa.wustl.edu
Computational Economics JEL Classification, maybe C8	ewp-comp@econwpa.wustl.edu
Experimental JEL Classifications C9	ewp-exp@econwpa.wustl.edu
Macroeconomics JEL Classification E	ewp-mac@econwpa.wustl.edu
International Trade JEL Classification F1-F2	ewp-it@econwpa.wustl.edu
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Test Section A section to test your submission (to see if it can reach the archive) without doing anything permanent)	ewp-test@econwpa.wustl.edu
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Subject: get announce

Mail lists

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Subject: subscribe

Notification mail

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To: nobody@econwpa.wustl.edu (econ-wp daily title/abstract distribution)
Subject: econ-wp daily received  (103 served)
Status: RO
+------------------------------------------------------------------------+
|                  Economics Working Paper Archive                      |
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+---------------------------------------------------------------------------+
|  Send mail to arch-area@econwpa.wustl.edu, where arch-area equals one of |
|                [ewp-comp ewp-dev ...ewp-test or econ-wp]                 |
|                    with the command in subject field.                    |
|             Do NOT send mail to no-reply@econwpa.wustl.edu .             |
+---------------------------------------------------------------------------+
To retrieve preprints, use 'get'.  To retrieve ewp-comp/9305001, e.g., send
mail
To: ewp-comp@wuecon.wustl.edu
Subject: get 1
Note 'get' defaults to current yymm, e.g, 'get 1  4002.abs'  equivalent  to
'get 9305001 9304002.abs' .)
----------------------------------------------------------------------------
received from  Tue Aug  3 00:20:28 CDT 1993  to  Fri Aug  6 00:34:10 CDT 1993
------------------------------------------------------------------------------
\\
Paper: ewp-em/9308001
From: bparks@wuecona.wustl.edu (Bob Parks)
Date: Thu, 5 Aug 1993 14:31:27 -0500 (CDT)

Title:A Predictive Approach to Model Selection and Multicollinearity
Authors: Edward Greenberg and Robert P. Parks (bparks@wuecona.wustl.edu)
Institution: Dept. of Economics, Washington University, St. Louis
Comments: Latex document, 30 pages (22 without figures)
\\
    We argue for the adoption of a predictive approach to model
specification.  Specifically, we derive the difference between means and
the ratio of determinants of covariance matrices when a subset of
explanatory variables is included or excluded from a regression.  For
several special cases these measures are shown to be related to widely
```

used tools for studying model specification. Results for a set of
simulated data and for two economic applications are presented as
examples.
\\

\\
Paper: ewp-io/9308001
From: walter garcia-fontes <walt@leland.Stanford.EDU>
Date: Thu, 5 Aug 93 13:11:02 PDT

Title: Price Competition in Segmented Industries
Author: Walter Garcia-Fontes (Universitat Pompeu Fabra)
Report-no: Economics Working Papers No. 35, Universitat Pompeu Fabra
Comments: 23 pages, LaTeX file, titlepage.sty engmac.sty epsf.sty, 3
figures Encapsulated Postscript, uuencoded, compressed and tarred.
\\
Abstract:
Repeated interaction between duopolists in a segmented industry is
considered. The industry is fragmented into two separate segments.
The duopolists compete in prices and segment choice, assuming that
pricing strategies are completely flexible while segment choice is
irreversible. Initially the two firms are located in different
segments of the market, but they can choose to extend their operation
to the other segment, operating in the whole industry. It is shown
that there exists an equilibrium involving segment location and
collusion in prices. The equilibrium path is further restricted by the
magnitude of the fixed cost of entering the other segment, and by
refinements on the equilibrium concept. Finally, the implications of
the irreversibility of the entry decision are analyzed.
\\
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%%%---%%%---%%%---%%%---%%%---%%%---%%%---%%%---%%%---%%%---%%%---%%%---%%%---

Discussion mail list

To:LISTSERV@wuecon.wustl.edu
Subject: subscribe econwp-l or blah blah
subscribe econwp-l First_name Last_name

Finding a paper (find, list)

To: econ-wp@econwpa.wustl.edu
Subject: list 9307
To: econ-wp@econwpa.wustl.edu
Subject: find equilbrium

To: bparks@wuecona.wustl.edu
Subject: RE: find equilibrium (9305 - 9309)
Status: RO

find for 9305 - 9309:

\\
Paper: ewp-pe/9308002
From: bparks@wuecona.wustl.edu (Bob Parks)
Date: Tue, 24 Aug 1993 21:10:16 -0500 (CDT)

Title: EXISTENCE OF NASH EQUILIBRIUM IN A SPATIAL MODEL
OF n-PARTY COMPETITION
Authors: Norman Schofield and
Robert P. Parks (bparks@wuecona.wustl.edu)
Institution: Dept. of Economics,
Washington University, St. Louis
Comments: Latex document, 34 pages,
figures included in text via epsf macro.
\\

----

1 occurrence of: "equilibrium"

Getting a paper (get)

To: ewp-pe@econwpa.wustl.edu Subject: get 9308002.abs 9308002

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To: bparks@wuecona.wustl.edu
Subject: RE: get 9308002.abs
Status: RO

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\\
Paper: ewp-pe/9308002
From: bparks@wuecona.wustl.edu (Bob Parks)
Date: Tue, 24 Aug 1993 21:10:16 -0500 (CDT)
Date (revised): Wed, 25 Aug 1993 11:30:43 -0500 (CDT)

Title: EXISTENCE OF NASH EQUILIBRIUM IN A SPATIAL MODEL
OF n-PARTY COMPETITION
Authors: Norman Schofield and Robert P. Parks (bparks@wuecona.wustl.edu)
Institution: Dept. of Economics, Washington University, St. Louis
Comments: Latex document, 34 pages, figures included in text via epsf macro.
\\
In the model presented here, $n$ parties choose policy positions in a space
$Z$ of dimension at least two.  Each party has true preferences on $Z$ that
are unknown to other agents.  In the first version of the model considered
the party declarations determine the lottery outcome of coalition
negotiation.  The lottery outcome function is common knowledge to the
parties and is determined by probabilities of coalition formation inversely
proportional to the variance of the declarations of coalition members.
It is shown that with this outcome function and with three parties there
exists a stable, pure strategy Nash equilibrium in the game of party
```

choices of declarations. The Nash equilibrium can be explicitly calculated in terms of the preferences of the parties and the scheme of private benefits from coalition membership.
In particular, convergence in equilibrium party positions is shown to occur if the party bliss points are close to colinear. Conversely, divergence in equilibrium party positions occurs if the bliss points are close to symmetric. If private benefits are sufficiently large (that is, of the order of policy benefits), then the variance in equilibrium party positions is less than the variance in bliss points.
The general model attempts to incorporate party beliefs concerning electoral responses to party declarations. A mixed strategy Nash equilibrium is shown to exist. It is conjectured that generically there exists a unique stable, pure strategy Nash equilibrium.
\\

Printing or reading

PostScript, HP PCL

TEX LATEX

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TOOLS

uuencode uudecode

binary files ⇔ ascii mailable

tar

lots of files into one file

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compresses a file

InfoZip zip utility

puts them together and compresses

uufiles for the Unix/figures

To:econ-wp@econwpa.wustl.edu
Subject: get msdos.uu
To:econ-wp@econwpa.wustl.edu
Subject: get help_tools

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From no-reply Mon Sep 20 16:05:38 1993
Return-Path: <no-reply@econwpa.wustl.edu>
Received: by wuecon.wustl.edu (4.1/SMI-4.1)
id AA24242; Mon, 20 Sep 93 16:05:36 CDT
Date: Mon, 20 Sep 93 16:05:36 CDT
Message-Id: <9309202105.AA24242@wuecon.wustl.edu>
Precedence: bulk
Note: WPA software written by PG at LANL (8/91, 12/92)  GTDA
From: no-reply@econwpa.wustl.edu  (Economics WPA - ewp-em)
Reply-To: ewp-em@econwpa.wustl.edu
To: bob@wuecon.wustl.edu
Subject: RE: get 9308002
Status: RO

%Paper: ewp-em/9308002
%From: Roger Koenker <roger@ysidro.econ.uiuc.edu>
%Date: Wed, 25 Aug 1993 15:05:53 -0500

begin 644 qss.tar.Z
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M1L0:-#*BG!$#1@R/-&3 @´´QH<V;.´/JW,FSI\^?0(,*´4JT84 S:<ZX@#.G
MJ%.G´FWOH"$RXT:1´T->´+D1A@T;+T&LM($RQHVO´E%^K?FTK=NW<./*G4O7
M:8D04*:T"$+FC9@R+62X@*&@1(DA<LJ$H?-&C@X09.RD82K6!0T<(8>\@9-´
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M:>0TO:&$.5-FSN,;HGL+>5/´#6LW9Z;C>6S2)-BO-U#W+F)=<YLV9=SOF5.8
MB)4D><VW"6.=21HWPR%+IEQ<>IDS]T$AQQMC3%$&´8_1408>2PVHP M4E($%
M$:V%)D,-)K$V1FADE&$&"!%.6"$(?P´H!@@O.+%´AV;TP2**0NPAQGUDO.9A
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M:\*!(">=F&KZ:*1HB$FF BT@ZBD(:L)FTI*%?IAJHZN>>.FBO´(*OIACTA9K
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M´(Z"ZVY%XX)OKG5B@9#NNHXJT"4=V4I;)1!26C=J&´"4L8>56(+@9!U>]I´D
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/users/bob% dir *.tar.Z
 91039 Sep 20 16:08 qss.tar.Z
/users/bob% gunzip qss.tar.Z
/users/bob% tar -tf qss.tar
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./qss.abs
./qss.ps
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Three sections delimited by \\

$\boxed{\textbf{Authors,Title, etc}}$

Title:
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Comments:
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$\boxed{\textbf{Abstract}}$

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$\boxed{\textbf{Body of paper or instructions}}$

```
 \\
 Title: Recent Seminal Results That Take One or
 More Lines to Describe Succinctly Even with
 Compactification, non-parametrics,
 and No Blank Lines
 Author: author one (affiliation),
 author two (affiliation), and
 authors ad infinitum (affiliations)
 Report-no:  (optional series name and report#)
 Comments: 12 pages, TeX file,
 special macros if any, other comments
 WPA References: ewp-ge/9309054 ewp-gam/9305148 .
(less than 12 lines in this section)
 \\
 Abstract (less than 25 lines)
 \\
 Here is the paper.
 Assume there are MORE THAN 100 lines here.
  TeX document, ASCII text,
  uuencoded binary word processor document
```

$\boxed{\text{Other commands:}}$

Figures

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Cross

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Fput/Freplace

Gopher interface

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ftp fatty.law.cornell.edu

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6.  General Economics and Teaching.......[00000]........(A)/
7.  Method. and Hist. of Econ. Thought...[00000]........(B)/
8.  Econometrics.........................[00003].(C1-C5,C8)/
9.  Microeconomics.......................[00000]....(D1-D4)/
10. GE, Growth, Math methods.............[00000].(C6,D5,D9)/
11. Game Theory and Information..........[00003]....(C7,D8)/
12. Computational Economics..............[00000].(maybe C8)/
13. Experimental.........................[00001].......(C9)/
14. Macroeconomics.......................[00000]........(E)/
15. International Trade..................[00000]....(F1,F2)/
16. International Finance................[00000]....(F3,F4)/
17. Finance..............................[00002]........(G)/
18. Public Economics.....................[00001]..(D6,D7,H)/
19. HEW..................................[00000]........(I)/
20. Labor and Demography.................[00001]........(J)/
21. Industrial Organization..............[00001]........(L)/
22. Law and Economics....................[00000]........(K)/
23. Economic History.....................[00000]........(N)/
24. Urban/Regional.......................[00000]........(R)/
25. All Others...........................[00000]....(P,Q,Z)/
26. Papers for meetings.(lasts 1 month)..[00000]........../
27. Test area.(test your posting)........[00013]........../
28.        Information on Index Searches          .  [19May93, 4kb].
29. ****** Index to Abstracts of all areas ****** <?>
```

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30.         >>>Eprint Related Software<<<         ./
31.          Helpfiles/Software/Tex Macros        ./
32.      Submission of Papers - Format and Help   .  [25Aug93, 30kb].
33.      WPA Distribution and Discussion lists    .  [23Jul93, 15kb].
34.   Software Tools for Submission and Printing  .  [19Jul93, 6kb].
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36.           E-mail commands                     .  [28Jul93, 15kb].
37.        Getting Preprints via E-Mail           .  [28Jul93, 21kb].
38. Washington University Economics Gopher/
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   Public Economics......................[00001]..(D6,D7,H)

--> 1.  Index to Titles, Authors and Abstracts pe <?>
    2.  Listings for  Public Economics.......................(D6,D7,H)/
    3.  Papers by Year/Months:  [ 2Jul93, 2kb].
    4.  9307/
    5.  9308/
    6.  9309/

  Internet Gopher Information Client v1.12S

    9308

 1.  Monthly Index pe 9308 <?>
 2.  9308002_EXISTENCE OF NASH EQUILIBRIUM IN A SPATIAL MODEL OF n-PART../


  Internet Gopher Information Client v1.12S

 1.  Abstract:9308002_EXISTENCE OF NASH EQUILIBRIUM IN A SPATIAL MODEL ...
 2.  Paper (Combined Source).
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%-Eprint Note: Typing File etc/data/pe/papers/9308/9308002.1
%Paper: ewp-pe/9308002
%From: bparks@wuecona.wustl.edu (Bob Parks)
%Date: Tue, 24 Aug 1993 21:10:16 -0500 (CDT)
%Date (revised): Wed, 25 Aug 1993 11:30:43 -0500 (CDT)

\documentstyle[11pt]{article}
\newcommand{\thefig}[3]{\epsfysize=#1in \hspace{#2in}  \epsfbox{#3}}
%\newcommand{\thefig}[3]{{\Large \bf #3 appears here}}

\begin{document}
\input{epsf}

%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
%                                                                        %
%  figures are included with the epsf macros, inline in the text         %
%  The paper may be printed without the figures, just comment out the    %
%  \input epsf line just above these comments, AND just below the        %
%  \document, comment out the first                                      %
%  \newcommand and UNCOMMENT the second \newcommand.                     %
%                                                                        %
%  The figures are .ps files, tar´ed, compressed, and uuencoded and      %
%  and submitted via the figures command.  The instructions for          %
%  uudecoding, uncompressing and untarring the figures are included in   %
%  that file.                                                            %
%                                                                        %
%  Supposing that you call the figure file (saved from the mail part 2)  %
%    figs.uu, then do the following (on Unix, just csh figs.uu)          %
%   1. uudecode figs.uu                                                  %
%   2. uncompress figstar.z                                              %
%   3. tar -xf figstar                                                   %
%  which will produce 6 figure files (3 .ps files and 3 .eps files)      %
%                                                                        %
```

```
%  Put them into the same directory as the LaTeX file, and be sure that  %
%  the epsf.tex macro is somewhere that LaTeX can find.                  %
%                                                                        %
%                                                                        %
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%

\section{INTRODUCTION}

There has been extensive analysis of the case of two
parties, $i$ and
$j$, competing in a policy space $Z$ for electoral votes.
The two
parties (or candidates) are assumed to pick policy positions
$z_{1},
z_{2}$ both in $Z$, which they present as manifestos to a
```

****** Index to Abstracts of all areas ******: dynamics

1. Abstract:9304148_Numerical Analysis of Black Hole Evaporation, Tsv...
2. Paper (Combined Source).
3. **— This paper refers to::**
4. hep-th_9205069_Quantization of a Theory of 2d Dilaton Gravity, S.P../
5. hep-th_9205089_Liouville Models of Black Hole Evaporation, by Adel../
6. hep-th_9206020_Black Hole Physics from Liouville Theory, by S. P. ../
7. hep-th_9207095_Quantum Black Holes in Two Dimensions, S.P. de Alwi../
8. hep-th_9207105_Naked and Thunderbolt Singularities in Black Hole E../
9. **— This paper is referenced by::** .
10. gr-qc_9306023_Entropy in Black Hole Pair Production, D. Garfinkle,../
11. hep-th_9305040_BLACK HOLE INFORMATION, Don N. Page/
12. hep-th_9305125_Nonsingular Black Hole Evaporation and "Stable" R../
13. hep-th_9306041_Black Holes and Quantum Predictability, S.B. Giddin../
14. hep-th_9306083_INFORMATION IN BLACK HOLE RADIATION, by Don N. Page/
15. hep-th_9307079_WHITE HOLES, BLACK HOLES AND CPT IN TWO DIMENSIONS,../

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