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20120315



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2010-5-5
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Top

Alpha
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(Kernel Density Estimation)

30% 99%

| |
|-------|
| |
| t t u |

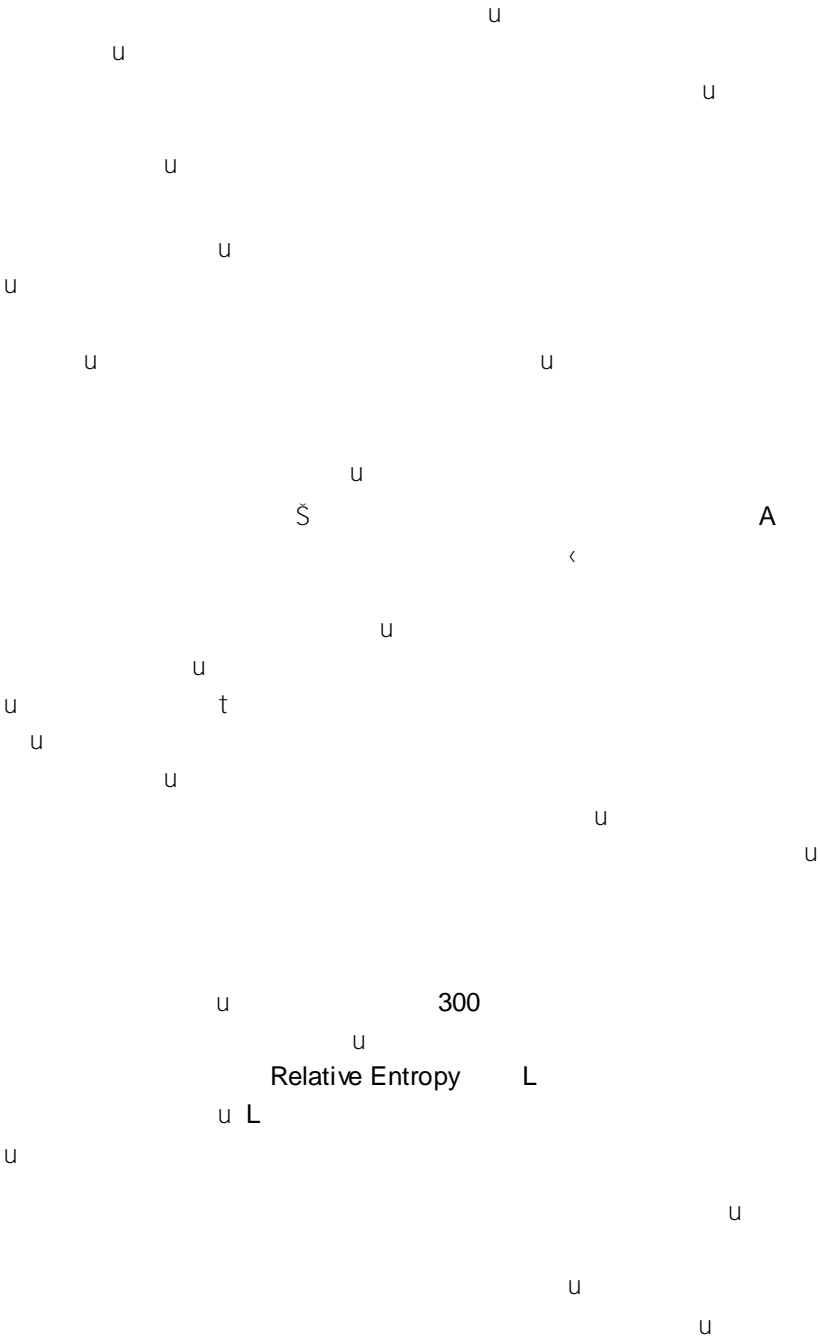


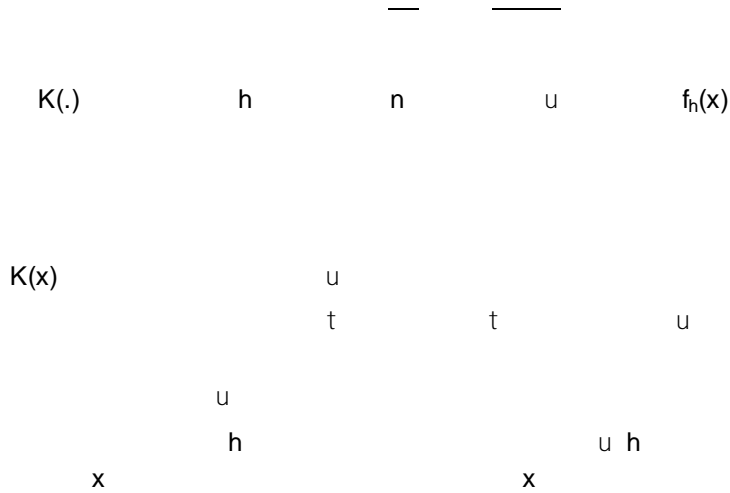
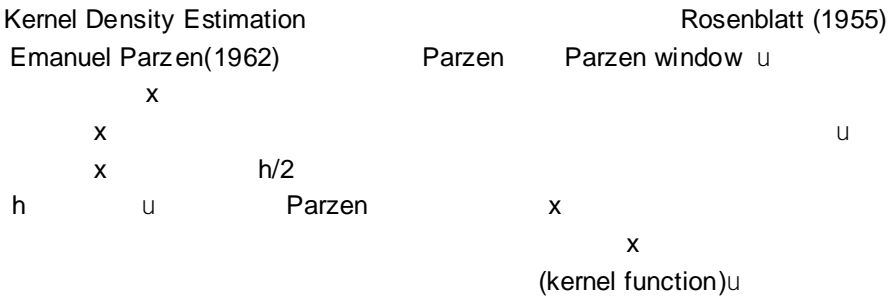
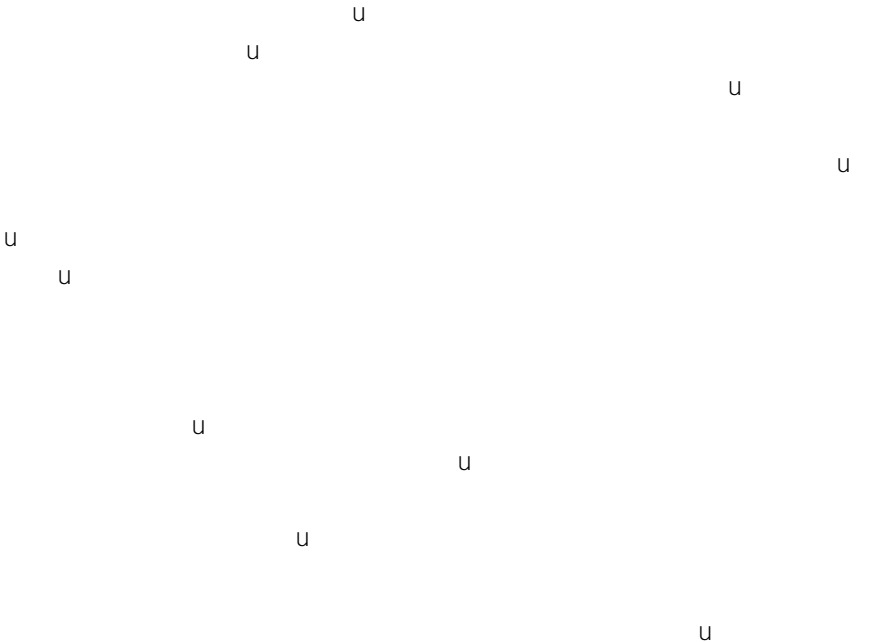
| | |
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| | 4 |
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| | 4 |
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| | 9 |
| | 11 |
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| | 14 |
| | 17 |
| | 20 |
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| | 21 |
| | 21 |

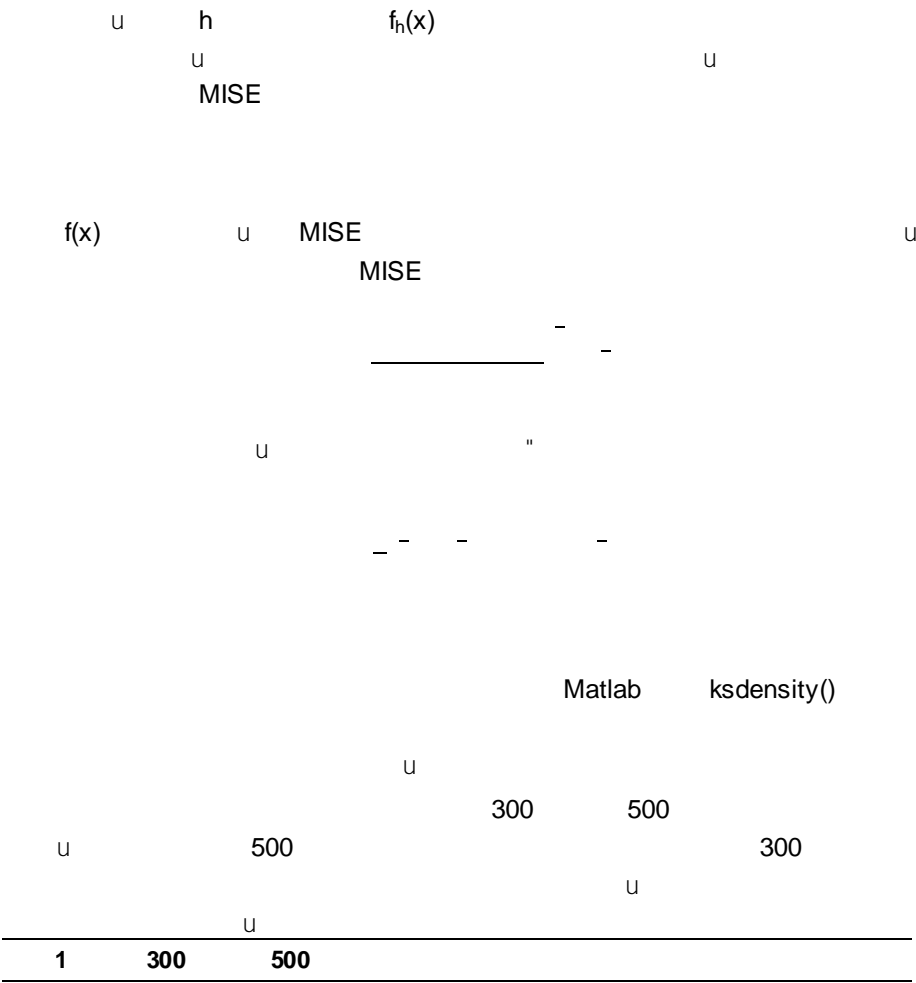


| | | | | |
|----|------------|-----|----------|----|
| 1 | 300 | 500 | | 6 |
| 2 | | | | 9 |
| 3 | t1 | 300 | t1 | 10 |
| 4 | t2 | 300 | t2 | 10 |
| 5 | | | | 10 |
| 6 | 2008-03-20 | | | 11 |
| 7 | 2009-04-27 | | | 11 |
| 8 | 2010-10-18 | | | 12 |
| 9 | 2011-02-15 |  | ..... | 12 |
| 10 |  |  | ..... | 13 |
| 11 | 2008-03-20 |  | ..... | 13 |
| 12 | 2009-04-27 |  | ..... | 13 |
| 13 | 2010-10-18 |  | ..... | 14 |
| 14 | 2011-02-15 |  | ..... | 14 |
| 15 |  |  | ..... | 16 |
| 16 |  |  | ..... | 17 |
| 17 |  |  | ..... | 17 |
| 18 |  |  | ..... | 18 |
| 19 | Brison |  | ..... | 19 |
| 20 |  |  | ..... | 19 |

| | | | |
|---|-----|------------|----|
| 1 | 300 | N=300..... | 7 |
| 2 | 500 | N=500..... | 7 |
| 3 |  | ..... | 12 |
| 4 |  | ..... | 14 |
| 5 |  | ..... | 16 |
| 6 |  | ..... | 18 |







Wind

N



N10000

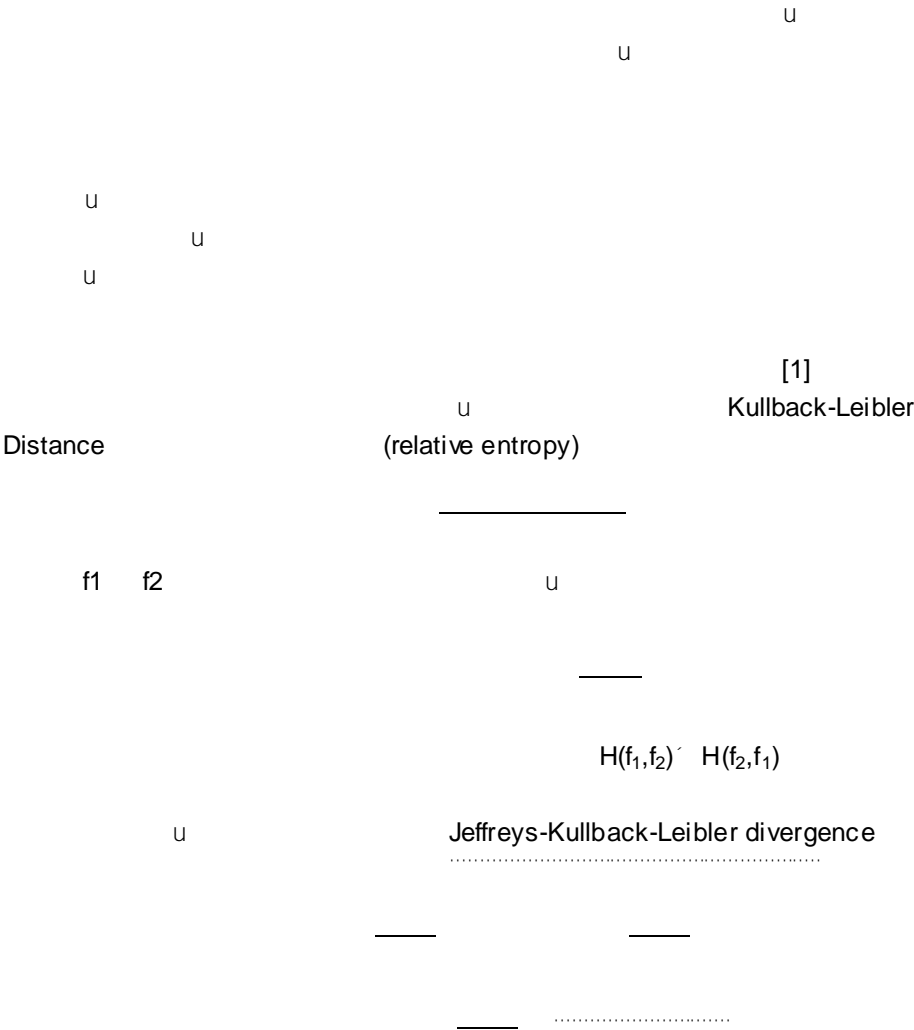
u300500

| | | | | | |
|---|-----|-------|------|-----|-----|
| 1 | 300 | N=300 | | | |
| | K-S | 10000 | 9120 | 880 | 91% |
| | | 10000 | 9507 | 493 | 95% |
| | | 10000 | 9527 | 473 | 95% |

Wind

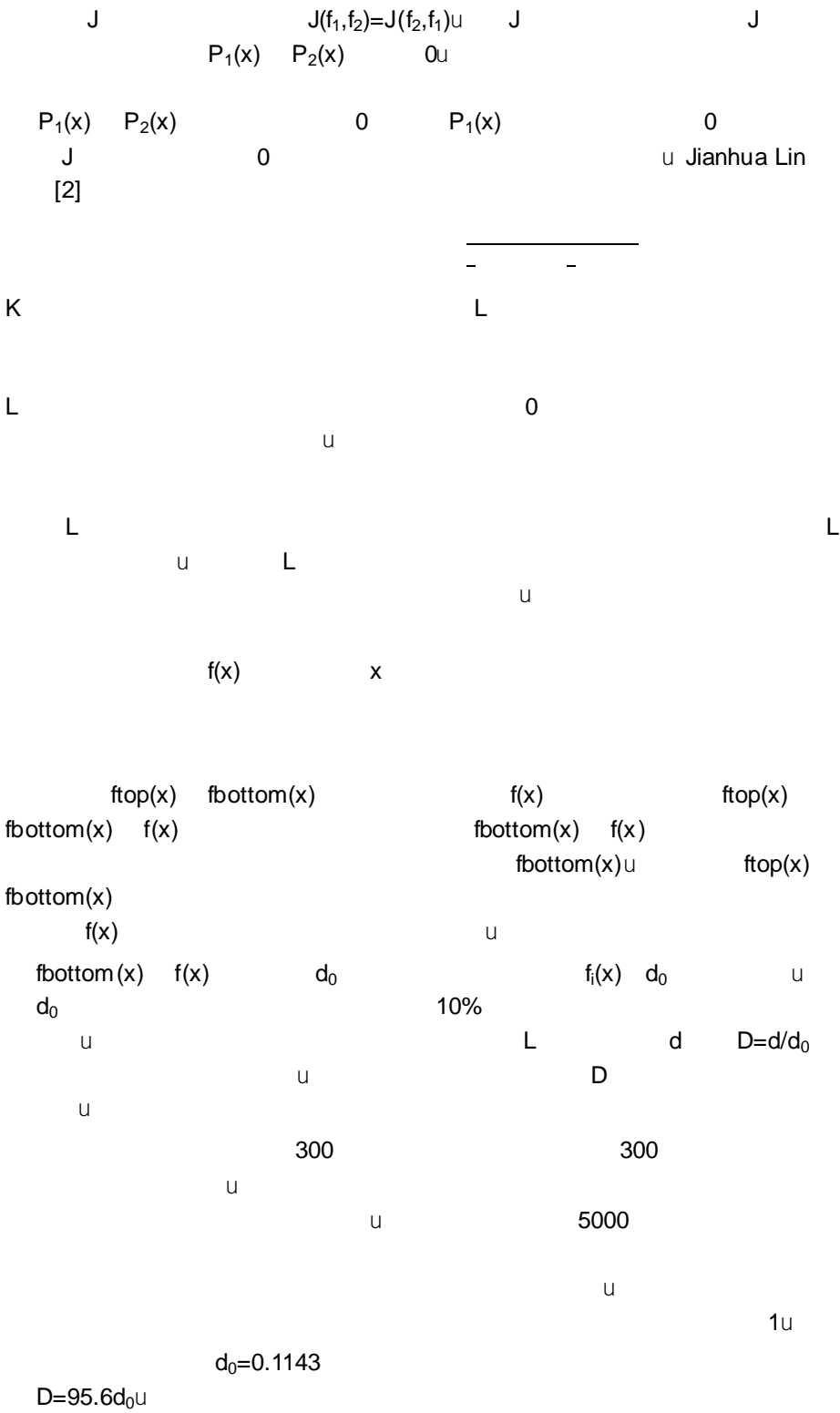
| | | | | | |
|---|-----|-------|------|-----|-----|
| 2 | 500 | N=500 | | | |
| | K-S | 10000 | 9209 | 791 | 92% |
| | | 10000 | 9501 | 499 | 95% |
| | | 10000 | 9543 | 457 | 95% |

Wind





:



1. *Journal of the American Medical Association*, 2000; 283: 2689-2695.

The diagram illustrates a network structure with nodes and edges. The nodes are labeled with mathematical expressions and variables, and the edges are labeled with 'u' and 'L'. The diagram is organized into several layers, with some nodes having multiple incoming or outgoing edges. The labels include $f(x)+30\%$, $f(x)-30\%$, $f(x)$, 30% , $f(x)-30\%$, $f(x)$, 30% , L , $7.45d_0u$, 13 , u , t_1 , t_2 , 300 , $\text{Diff1}=9.96d_0$, (t_2) , (t_1) , $\text{Diff2}=7.79d_0u$, (t_1) , (t_2) , Diff1 , Diff2 , $7.45d_0$, 30% , and u .

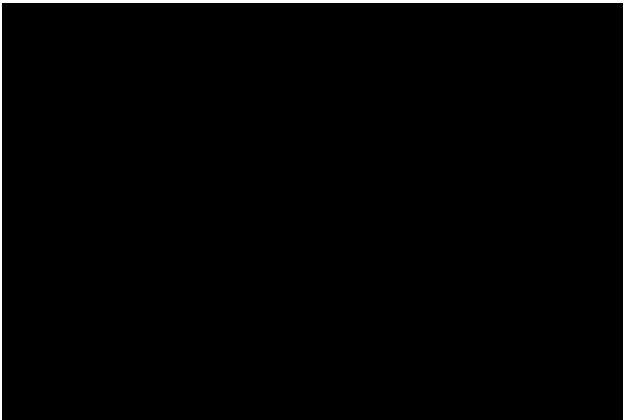


3 t1 300 t1



WIND

4 t2 300 t2



WIND t

..... a Y₁₀

5



(t2)
(t1)
u
P₁(x)
(t1)
u
2 u 300
u
u
0 u

WIND t



8 2010-10-18

9 2011-02-15

WIND

WIND t

| 3 | | | |
|------------|--------|--------|----|
| | | (:d0) | d0 |
| 2008/3/20 | 64.93 | 0.11 | |
| 2009/4/27 | 96.63 | 0.11 | |
| 2010/10/18 | 113.93 | 0.11 | |
| 2011/2/25 | 167.82 | 0.11 | |

Wind

U

U

n_0

n_1

U

$f_{p_n}(x)$

$f_n(x)U$

i

x_i

$f_n(x_i)$

$f_{p_n}(x_i)U$

1

U

N

1

i

$f_n(x_i)$

$f_{p_n}(x_i)$

i

w_i

$f_n(x_i)$

$f_{p_n}(x_i)$

i

U

2

$f_{n+1}(x_i)$

$f_{p_{n+1}}(x_i)$

1

$n=N_u$

$f(x) \quad f_p(x)$

$a^*|f(x)-f(p)| \quad a$

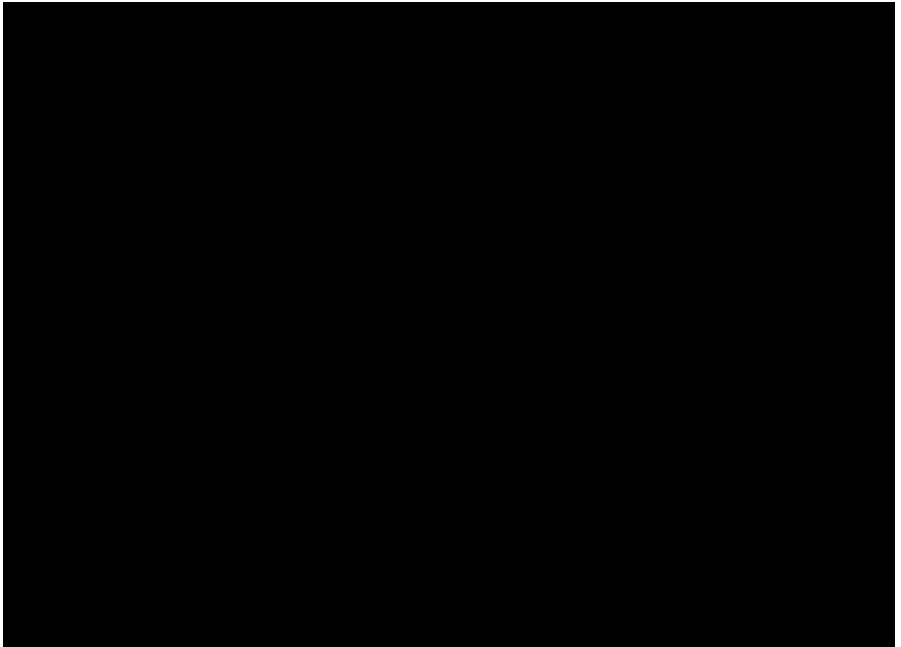
$a=0.03_u$

N

100 2000 U



10



11 2008-03-20

12 2009-04-27

WIND

WIND t



13 2010-10-18

14 2011-02-15

WIND

WIND t

| 4 | | | |
|------------|--------|--------|------|
| | (:d0) | (:d0) | d0 |
| 2008/3/20 | 64.93 | 0.31 | 0.11 |
| 2009/4/27 | 96.63 | 1.88 | 0.11 |
| 2010/10/18 | 113.93 | 8.14 | 0.11 |
| 2011/2/25 | 167.82 | 117.43 | 0.11 |

Wind

1/10 1/100

u 30%

0 u

u

300

u

u

u

u

u

u

u

u

t

[illegible]



15

P/B

U 2007 1 2012 2 U

| 5 | | | |
|------------|--------|--------|--------|
| 2007/1/23 | 0.0144 | 0.0119 | 0.0096 |
| 2007/4/30 | 0.0980 | 0.0160 | 0.0222 |
| 2007/7/4 | 0.0956 | 0.0866 | 0.0005 |
| 2007/7/25 | 0.1338 | 0.0193 | 0.0381 |
| 2007/10/11 | 0.0931 | 0.0140 | 0.0816 |
| 2007/11/9 | 0.0413 | 0.0319 | 0.0131 |
| 2008/3/20 | 0.1024 | 0.0382 | 0.0089 |
| 2008/5/9 | 0.0014 | 0.0007 | 0.0015 |
| 2008/6/5 | 0.1270 | 0.0901 | 0.0847 |
| 2008/6/26 | 0.1081 | 0.0204 | 0.1048 |
| 2008/7/24 | 0.2684 | 0.2040 | 0.1984 |
| 2008/12/3 | 0.4154 | 0.1883 | 0.2705 |
| 2009/4/27 | 0.0206 | 0.0037 | 0.0090 |
| 2009/5/13 | 0.0199 | 0.0164 | 0.0159 |
| 2009/9/8 | 0.0471 | 0.0349 | 0.0381 |
| 2009/11/19 | 0.2814 | 0.1488 | 0.4875 |
| 2010/4/7 | 0.0540 | 0.0453 | 0.0445 |
| 2010/6/25 | 0.0114 | 0.0041 | 0.0041 |
| 2010/8/6 | 0.2441 | 0.2057 | 0.1691 |
| 2010/10/18 | 0.1441 | 0.1376 | 0.1901 |
| 2010/11/8 | 0.0092 | 0.0083 | 0.0073 |
| 2010/12/24 | 0.0154 | 0.0096 | 0.0288 |
| 2011/2/25 | 0.0991 | 0.0834 | 0.0767 |
| 2011/5/19 | 0.0454 | 0.0389 | 0.0381 |
| 2011/9/5 | 0.0011 | 0.0010 | 0.0261 |
| 2011/11/10 | 0.0087 | 0.0069 | 0.0072 |

Wind



16

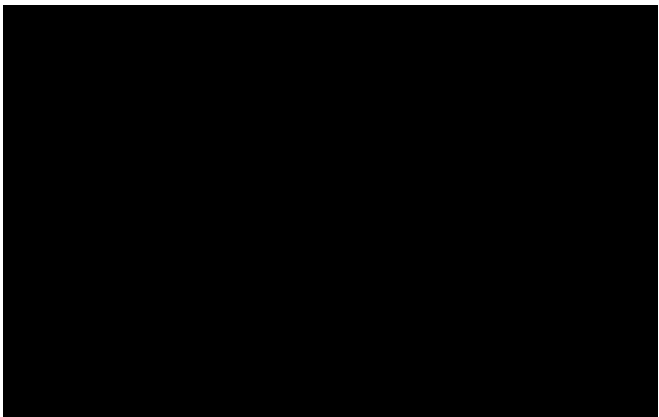


u

u

u

17



Wind

u

80%

15%

5%

u

1.

10

2.

FĚš

3.

t

3

4.

3

5.

20%

6.

90%

95%



| | | |
|----|------|-----|
| 7. | | 96% |
| | 104% | |
| 8. | | 10% |
| 9. | 95% | |

| |
|----|
| 18 |
|----|

| |
|---|
| 6 |
|---|

| | |
|--------------|----------|
| Beta | 0.9589 |
| Alpha | -0.00002 |
| | 1.97% |
| | 31.25% |
| sharpe ratio | 0.0119 |
| sharpe ratio | 0.1891 |
| sharpe ratio | 0.0130 |
| sharpe ratio | 0.2064 |
| Trey nor | 0.0002 |
| IR | -0.0135 |
| IR | -0.2135 |
| TE | 0.0023 |
| TE | 0.0365 |
| | 5.09% |
| | 7.26% |
| | 53.97% |
| | 38.59% |
| | 117.98% |
| | 76.51% |



| | |
|----|--------|
| 19 | Brison |
|----|--------|

| |
|----|
| 20 |
|----|



u

MV

P/B

P/B

MV

u

P/B

P/B

u

P/B

t

t t



U

U

1.

U

U

U

2.

U

U

U

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[1]Entropy, divergence and distance measures with econometric applications, Aman Ullah, 1996

[2] Divergence measures based on the Shannon Entropy, Jianhua Lin, 1991

| | | |
|--|--|-----------|
| | | |
| | | 6 20% |
| | | 6 10%-20% |
| | | 6 ~ 10% |
| | | 6 10% |
| | | 6 10% |
| | | 6 5%-10% |
| | | 6 ~ 5% |
| | | 6 5% |



| | | |
|--------------------|--------------------|---------------|
| | | |
| 0755-82130638 | 021-60933152 | 021-60933142 |
| 010-66026312 | 021-60875161 | 021-60933157 |
| 021-60933159 | 010-66026340 | |
| | 021-60875168 | 010-88005316 |
| | | |
| 0755-82130422 | 021-60875167 | 0755-82130678 |
| 0755-82133766 | 0755-82133476 | 0755-82133397 |
| 0755-82130432 | | 0755-82130648 |
| 0755-82136085 | | |
| 021-60933167 | | |
| | | |
| 0755-82130722 | 021-60933164 | 010-66025270 |
| 0755-82131528 | | 010-66026317 |
| | | |
| 0755-82130646 | 010-66025272 | 0755-82133396 |
| 0755-82133343 | 0755-82130532 | 0755-82139908 |
| 010-88005327 | 0755-82130833-1867 | 0755-82130473 |
| | 0755-82150633 | 0755-82133263 |
| | 010-66025229 | 0755-82133400 |
| | | |
| 021-60933160 | 010-88005322 | 0755-82133909 |
| 010-88005311 | 010-88005319 | 0755-82133920 |
| | | |
| 021-60933161 | 0755-82130468 | 0755-82130565 |
| | 0755-82130470 | 0755-82130706 |
| | 0755-82130513 | |
| | | |
| 0755-82130407 | 0755-82133390 | 0755-82130761 |
| | 0755-82130678 | 0755-88005321 |
| | 010-88005304 | 0755-82151833 |
| | | |
| 021-60933158 | 0755-82138922 | 010-88005308 |
| | | |
| 0755-82150809 | 0755-82133928 | 021-60933155 |
| 0755-82132098 | 0755-82133568 | 021-60875163 |
| | 0755-82150533 | 021-60933154 |
| | | 021-60933165 |
| | | 021-60933150 |
| | | |
| 0755-82133129 | 0755-82133339 | 021-60875174 |
| 0755-82133928 | 010-66026337 | 0755-82133090 |
| 0755-82133528 | 010-88005310 | 0755-82139918 |
| 0755-82130833-1379 | 0755-82150566 | |
| | 0755-82130843 | |
| | 0755-82130833-1368 | |
| | 0755-82130833-1367 | |



| | | |
|------------------------|------------------------|------------------------|
| | | |
| 010-82252236 | 021-60875169 | 0755-82133492-1277 |
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