



光华管理学院

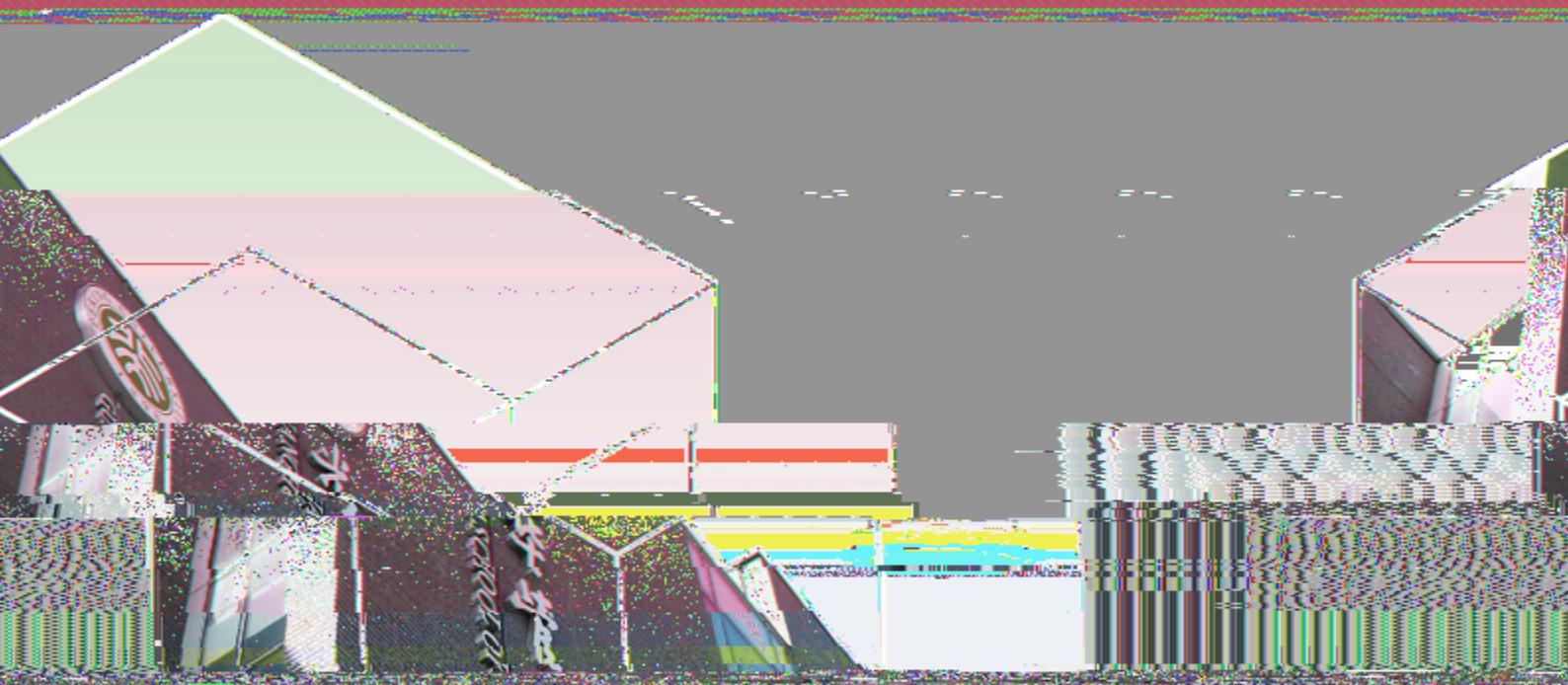
Guanghua School of Management

之六

北京大学光华管理学院“光华思想力”新金融研究系列报告

中国公募REITs发展研究

投资者的视角



REITs — !

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²DOESWIJK R, LAM T, SWINKELS L. "THE GLOBAL MULTI-ASSET MARKET PORTFOLIO, 1959-2012": [J]. FINANCIAL ANALYSTS JOURNAL, 2014, 70(4):9-9.

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58

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³DOESWIJK R, LAM T, SWINKELS L. "THE GLOBAL MULTI-ASSET MARKET PORTFOLIO, 1959-2012": [J]. FINANCIAL ANALYSTS JOURNAL, 2014, 70(4):9-9.

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REITs 5

7.6%

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9.7%

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500

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20

REITs

11.4%

REITs

0.56

REITs

500

0.53

表1 美国REITs收益率、波动率、风险调整收益率

REITs

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REITs

1%~3%

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1%~3%

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10%

21%

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2 REITs

国家	指数	指标	1Y	3Y	5Y	10Y
		收益率	2.7%	-1.0%	9.0%	8.2%
	FTSE EPRA/NAREIT	波动率	10.8%	16.2%	15.2%	19.1%
	Europe REITs	风险调整收益比	0.25	0.66	0.59	0.43
欧洲		收益率	0.9%	1.2%	7.6%	5.9%
		波动率	10.6%	15.2%	11.9%	14.5%
	FTSE EUROTOP-100	风险调整收益比	0.09	0.08	0.63	0.41
		收益率	-0.6%	0.9%	0.5%	0.6%
		波动率	13.5%	25.9%	15.0%	29.2%
	FTSE EPRA/NAREIT	风险调整收益比	0.58	0.60	0.74	0.74
	UK REITs	风险调整收益比	0.32	0.65	0.66	0.66
英国		收益率	5.9%	8.2%	2.6%	2.6%
		波动率	19.1%	13.2%	15.5%	15.5%
	FTSE 100	风险调整收益比	0.58	0.60	0.74	0.74
		收益率	-2.7%	1.3%	9.2%	9.2%
		波动率	10.0%	2.7%	15.4%	11.5%
	TSE REIT	风险调整收益比	0.27	0.08	0.80	0.0
日本		收益率	14.0%	8.6%	13.5%	13.5%
		波动率	14.3%	19.7%	15.4%	21.2%
	NIKKEI 225	风险调整收益比	0.98	0.28	0.88	0.88
		收益率	9.0%	7.8%	7.2%	7.2%
		波动率	9.6%	11.0%	11.3%	11.1%
	FTSE EPRA/NAREIT	风险调整收益比	0.88	0.0	0.0	0.0
	Singapore REITs	风险调整收益比	0.11	0.21	0.64	0.0
新加坡		收益率	9.6%	5.5%	5.5%	5.5%
		波动率	10.9%	13.1%	13.1%	13.1%
	Straits Times Index	风险调整收益比	0.88	0.0	0.0	0.0
		收益率	14.5%	13.0%	13.0%	13.0%
		波动率	7.8%	10.8%	10.8%	10.8%
	Hang Seng Reit	风险调整收益比	0.96	0.0	0.0	0.0
香港		收益率	22.8%	11.2%	11.2%	11.2%
		波动率	22.15.6%	11.2%	11.2%	11.2%
	Hang Seng Index	风险调整收益比	1.46	0.57	0.57	0.57
		收益率	4.3%	7.5%	7.5%	7.5%
		波动率	12.7%	13.6%	13.6%	13.6%
	0.74	0.61	0.98	0.44	0.34	0.55
澳大利亚	S&P/ASX 200 A-REITs	风险调整收益比	0.34	0.55	0.55	0.55
		收益率	11.8%	7.7%	11.8%	11.8%
		波动率	12.0%	14.7%	12.7%	13.6%
	0.98	0.44	0.98	0.44	0.98	0.44
	S&P/ASX 200	风险调整收益比	0.97	0.48	0.97	0.48
		收益率	-13.6%	12.8%	12.8%	12.8%
		波动率	9.9%	10.4%	10.4%	10.4%
	0.82	0.48	0.82	0.48	0.82	0.48

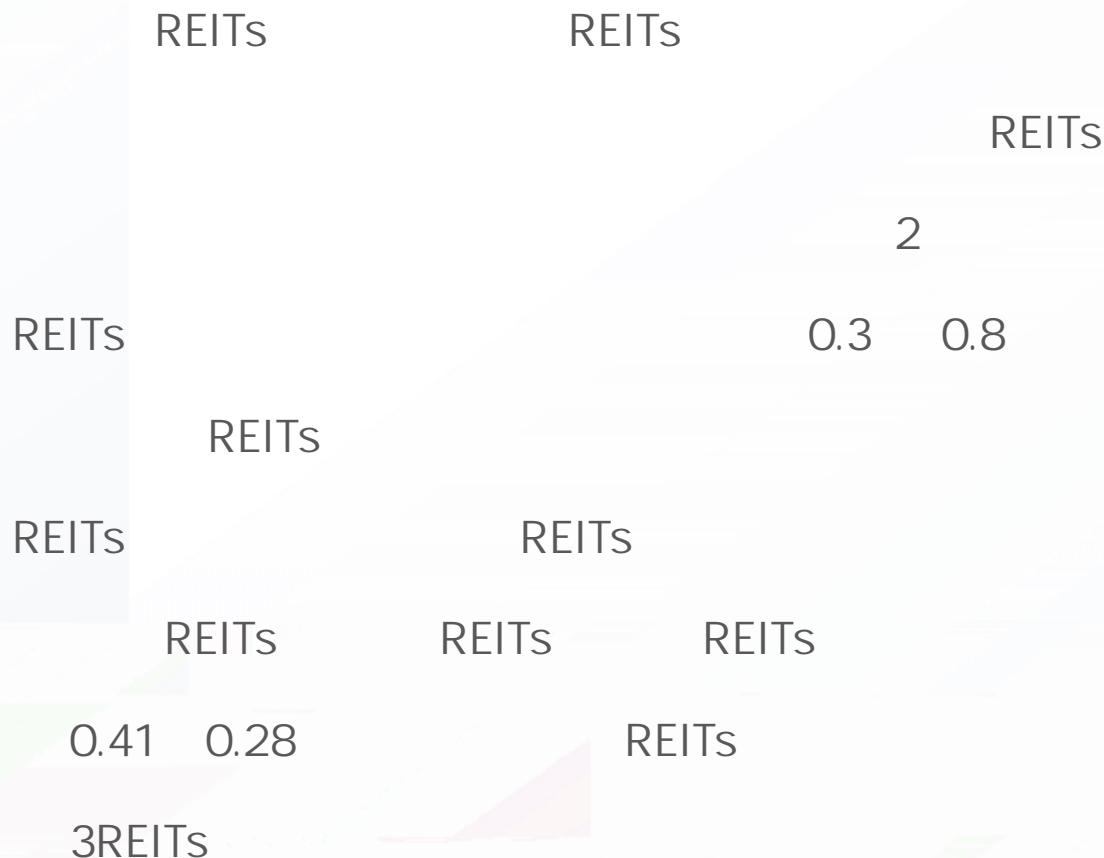
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		巴克莱					
美国REITs与股票市		相关系数					
		S&P 500	Vanilla	债券	商品	新兴	香港
美国	相关系数	1.000	0.582	0.602	0.609	0.622	0.622
澳大利亚	相关系数	0.694	1.000	0.511	0.511	0.533	0.533
澳大利亚	与股市	0.694	1.000	0.582	0.582	0.622	0.622
澳大利亚	相关系数	0.694	0.582	1.000	0.681	0.621	0.777
澳大利亚	与股市	0.694	0.582	0.681	1.000	0.615	0.522
欧洲	相关系数	0.611	0.611	0.741	1.000	0.801	0.741
欧洲	与股市	0.611	0.611	0.741	0.741	1.000	0.911
全球各REITs市场之	相关系数	0.600	0.600	0.801	0.801	0.321	0.522
日本	相关系数	0.401	0.401	0.411	0.411	0.511	0.322
日本	与股市	0.401	0.401	0.411	0.411	0.511	1.000
新加坡	相关系数	0.531	0.531	0.541	0.541	0.721	0.721
香港	相关系数	0.531	0.531	0.541	0.541	0.721	1.000

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Cannon 2010

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Jirasakuldech 2005 Fang 2013

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Clayton and

MacKinnon, 2001

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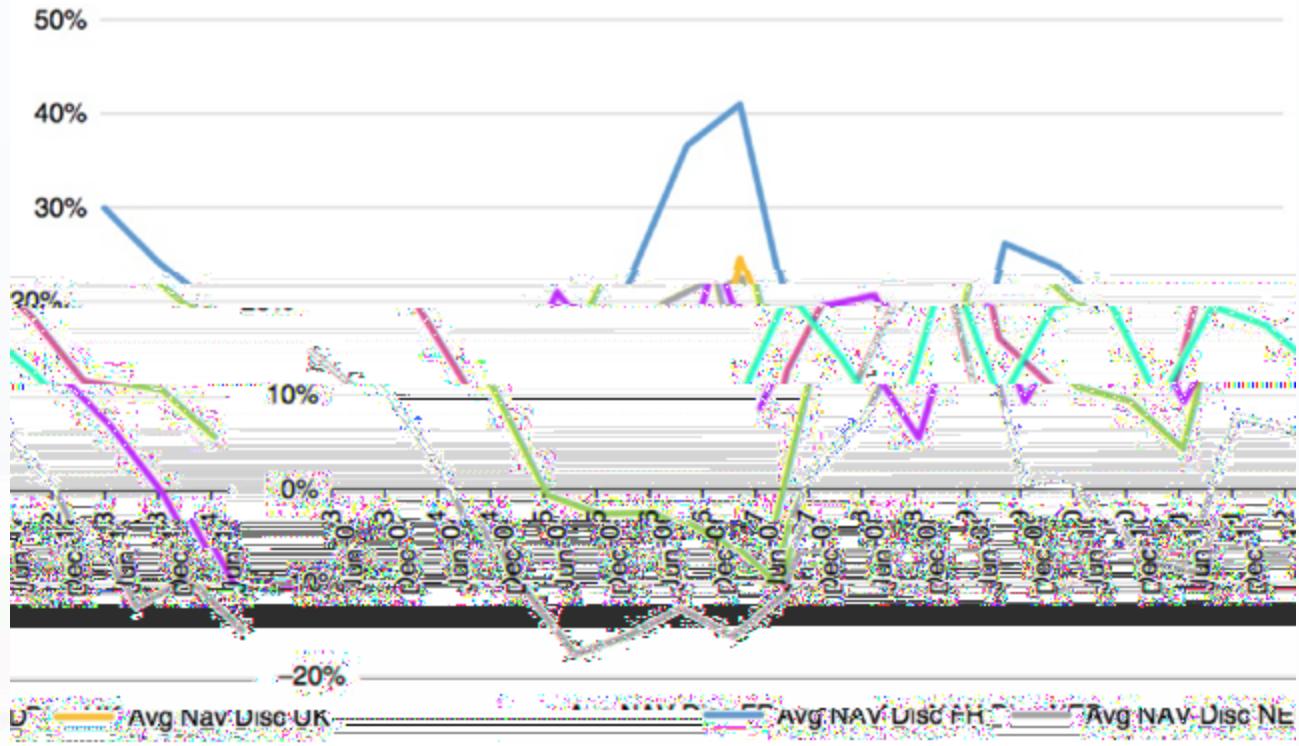
REITs

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⁷NAREIT, VALUING REITS IN 2017: STOCK PRICE PREMIUM/DISCOUNT TO NET ASSET VALUE, 2017-8-2

1 REITs



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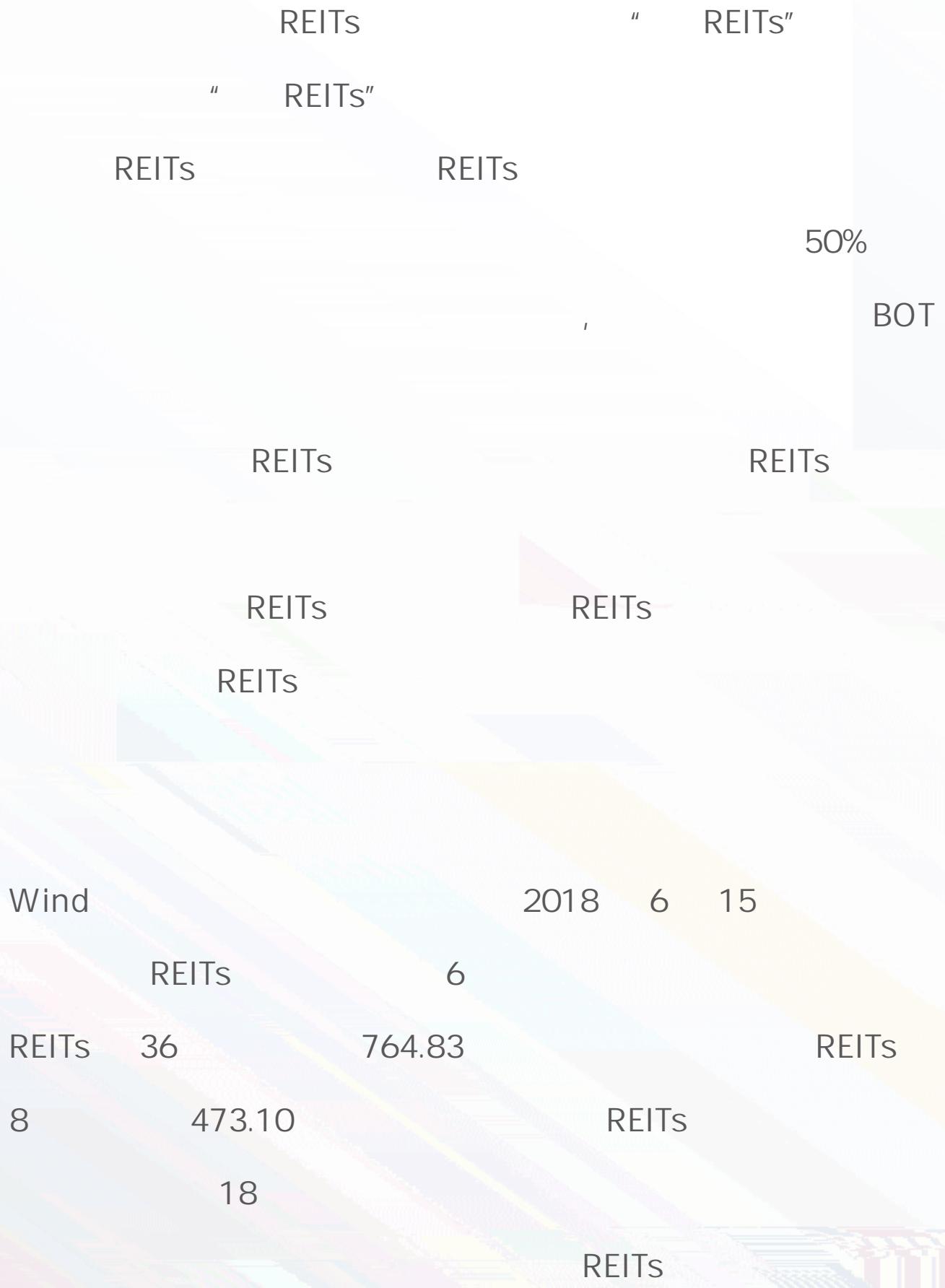
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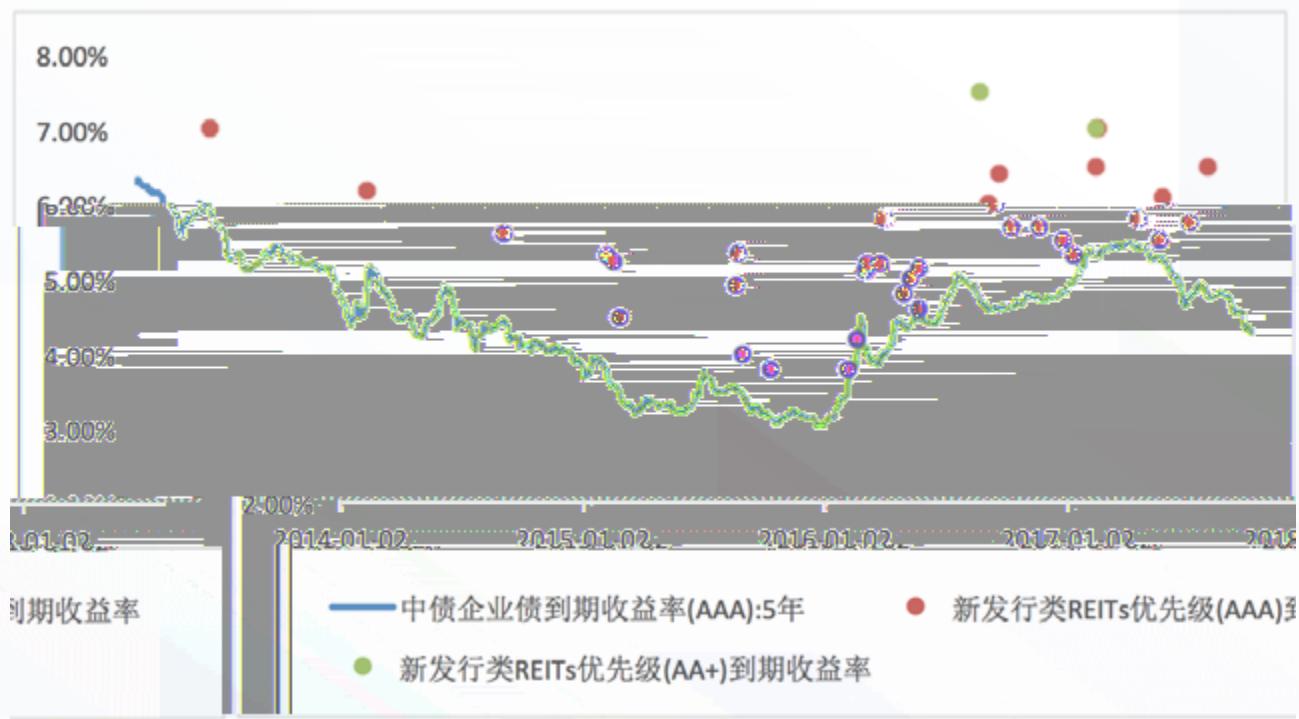






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!"#\$%"&'()' * "#+' , -./01234#'21/35&1/3'"/+'/4521'3#"'+1#26'
752849/3'34' /13' "2213'0":91'5/'5231+' ;#4 ;1#3<'84& ;" /512'5/'3%1'
=>?@A-'@49#/ ":"4B' (1":'C23"31' (121"#8%)'DEEE)'DFGHI6'HEDJKDH

!5"25/'L)'M5"84&5/5'C)'M#"N5'''O9"#" /3'''P-'Q9R:58' (C.S2`
U401#/ "/81'" /+'#1U9:"34#<'23#9839#16'1BB1832'4 /'VPW'+52849/36'
C05+1/81'B#4&'3%1'.3":5" /' & "#\$13?@A-'@49#/ ":"4B'C9#4;1" /'(1":'
C23"31' (121"#8%)'HXDX)'KGKI6'DYDJDFA-

!:"9'!'L)' * %53R<' ('@-'Z;189:"3501'S#" +5/U'5 /' (C.S2?@A-'
@49#/ ":"4B'[5/"/85":'(121"#8%)'HxD\)'K]GDI6'^^J] \-

!#"91#2'L)'S%4&"2'L)'_513N'@-'P#1'3%1#1'#"354 /":'R9RR:12'
5/' (C.S2`'V1a'105+1/81'B#4&'"84&;:1b'2<231&2'" ; ;#4"8%?@A-'
S%1'@49#/ ":"4B' (1":'C23"31'[5/"/81'" /+'C84/4&582)'HxD\)'
\EGHI6'DY^JDF\-

!#49/1/'7)'c5/U'7' ,)'Q#" +4' L'Q-'Z%4#3'Z":12'" /+'
[9/+&1/3":'W":916'Cb ;:"5/5/U'3%1' (C.S'Q#1&59&'34'VPW?@A-'
(1":'C23"31'C84/4&582)'HxDK)' \DGKI6\FDd^DY-

, "/4/'Z'C)' , 4:1' ('P-' , %" /U12'5 /' (C.S'c5e95+53<'DEFFd
HXX]6'C05+1/81'B#4&'7"5:<'7"3"?@A-'@49#/ ":"4B' (1":'C23"31'
[5/"/81'f'C84/4&582)'HxD)' \KGDJHI6H^FJHFX-

, :"<34/'@)' L "8>5//4/'M-'S%1'35&1J0"#<5/U'/"39#1'4B'3%1':5/\$'
between REIT, real estate and financial asset returns[J]. Journal
4B' (1":'C23"31'Q4#3B4:54'L " / "U1&1/3)'HXXD)']GDI6'\KJ^`-
, :"<34/'@)' L "8>5//4/'M-'71;"#39#12'B#4&'VPW'5/' (C.S'
;#585/U6'S%1';#50"31'#1":'123"31'8<8:1)'3%1'0":91'4B':5e95+53<' " /+'
5/01234#'21/35&1/3?@A-' (1":'C23"31' (121"#8%./2353931)' * 4#\$5/U'
Q" ;1#)'HXXH-

Fang H, Lee Y H. Are the global REIT markets efficient by a
/1a'" ; ;#4"8%`?@A-'Q" /4184/4&5892)'HXDK)'YXGYI6']\KJ]^`]-

M5:5R1#34'L-'Ce953<' (C.SZ' " /+' ;4#3B4:54'+501#25B58"354/?@A-'
@49#/ ":"4B' (1":'C23"31' (121"#8%)'DEEX)'^6'H^EJY`-
M1:3/1#'7)'>:9U1#!-' (C.S !"21+'Q9#1 Q:"<'Q4#3B4:5426'S%1'
, "21'4B'Q#4;1#3<'S<;12?@A-' (1":'C23"31'C84/4&582)'DEEF)'HYG\I6'
^FDJYDH-

g412:5'L)' h5\$" #5/1/'C-'P#1' (C.S2'#1":'123"31`'C05+1/81'
B#4&'5/31#/ "354/ ":"21834#:101:'+"3"?@A-'@49#/ ":"4B'./31#/ "354/ ":"
L4/1<" /+' [5/ /81)'HXDH)'KD6] I6'DFHKJDF^X-

@5#"2"\$9:+18%' !)'>/5U%3'@' (-'CBB5851/8<'5/'3%1'L "#\$13'4B'
(C.S26' [9#3%1#'C05+1/81-?@A-'@49#/ ":"4B' (1":'C23"31'Q4#3B4:54'
L " / "U1&1/3)'HXXH^)'DDGHI-

@5#"2"\$9:+18%' !)' , " & ;R1::' ('7)'>/5U%3'@' (-'P#1'S%1#1'
("354/ ":"Z;189:"3501'!9RR:12'5/ (C.S2`?@A-'@49#/ ":"4B' (1":'C23"31'[5/ /81'f'C84/4&582)'HXXY)'KHGHI6DX^JDH]-

@#'@'c'Q)'Z8%1#1#'>'P)'L4/4;4:5' ('S-'Q9R:58'W1#292'

Q#50"31' (1":'C23"31'Ce9535126'P' L 4#1' (1B5/1+)'c4/U S1#&'
 , 4& ; "#524/?@A-' (1":'C23"31'C84/4&582)'HXX^)'KKGDI6D\]JDF]-
 c11'V'@)'Z5/U'S' [)'S#" /' 7' g-' (C.S'Z%"#1'Q#581' " /+'VPW'
 7105"354/26'V4521'4#'Z1/35&1/3` ?@A-./31#/ "354/ ":" (1":'C23"31'
 (1051a)'HXDK)'DYGDI6'HFJ\]-
 c5'@)'L44#" +5" /' ('L)' i" /U'Z' j-'S%1'./B4#&"354/' , 4/31/3'4B'
 3%1'V , (C.['./+1b?@A-'@49#/ ":"4B' (1":'C23"31' (121"#8%)'HXXE)'
 FGXEI6ZDXJZDX-
 c49' j)'Z%9'S'Q#581'.& ; "83'4#"S#+5/U'W4:9&16' * %<'52'3%1'
 P&5%9+'GHXXHI' L 1"29#1'Q#581+` ?@A-'Z485":'Z851/81'C:183#4/58'
 Q9R:52%5/U)'HXDK-
 L 4##5'M)' ! "88" #5/'P-'C9#4; 1" /' (C.S2'VPW'+52849/36'+4'
 5/01234#2'R1:5101'5/' ;#4; 1#3<' " ; ;# "52":` ?@A-'@49#/ ":"4B'Q#4; 1#3<'
 ./0123&1/3'f '[5/"/81)'HXDY)'K\G\I6K\]JK] \ -
 L 4##5'M)' ! 1/1+1334'Q-'c101#"U1' " /+'VPW'+52849/36'
 105+1/81'B#4&'.3":5" /'#1":'123"31'5/0123&1/3'B9/+2?@A-'@49#/ ":"4B'
 C9#4; 1" /' (1":'C23"31' (121"#8%)'HXXE)'HGD16'KKJ^^-
 V/1k5'h)' !#44\$2' ,)' * "#+' , -' , 4&&1#85":#1":'123"31' " /+'
 1e953<' & "#\$13'R9RR:126'P#1'3%1<'84/3"U5492'34' (C.S2` ?@A-'= #R" /'
 Z39+512)'HXDK)'^XGDHI6'H\ EYJH^DY-
 Q"0:40'P)' * "8%31#"Z-' (C.S2' " /+' = /+1#: <5/U' (1":'C23"31'
 L "#\$1326'.2'S%1#1'''c5/\$` ?@A-'HXDD-
 Q"31:'>)'Q1#15#" ('P'L'M)' _"04+40'>'W'L 1"/J#101#254/'5/'
 (C.S2'+52849/3'34'VPW' f '#52\$' ;#1&59&?@A-'S%1'@49#/ ":"4B' (1":'

C23"31'[5/"/81""/+'C84/4&582)'HXXE)'KEGKI6'HHE-
Q"33534/5'Q)'Q13#"885'!)'Z;52/5'L-'VPW'+52849/3'5/'(C.S26'3%1'
#4:1'4B'1b;1#3"221224#2?@A-'P;;:51+'C84/4&582'c1331#2)'HXDK)'
HXGHI6'DE\JDEF-
Q"</1'@'C)' * "31#2'M'P-'g"01'1e953<'(C.S2'1b;1#51/81+'
;1#54+58"::<'84::";25/U'R9RR:12`?@A-'S%1'@49#/":'4B'(1":'C23"31'
[5/"/81""/+'C84/4&582)'HXX])'K\GHI6'HX]JHH\-[
Q"</1I'@'C)' * "31#2'M'P-'(C.S'L"#\$1326'Q1#54+58"::<'
84::";25/U'/1U"3501'R9RR:12`?@A-'P;;:51+[5/"/85":'C84/4&582'
c1331#2)'HXX^)'DGHI6'Y^JYE-
Z1##"/4',)'g412:5'L-'[4#18"235/U'C(C.S'#139#/2?@A-'@49#/":'
4B'(1":'C23"31'Q4#3B4:54'L"/"U1&1/3)'HXX])'DKG\I6'HEKJKDX-
Z1##"/4',)' * "/U'>-'S%1'c4/UJ(9/'7</"&582'R13a11/'
75#183"/+'Z189#535N1+'(1":'C23"31?@A-'@49#/":'4B'(1":'C23"31'
(121"#8%)'Hxdd)'KKGDI6]KJDGXK-
Z%:15B1#'P)'S%":1#('g'./01234#'Z1/35&1/3"/+'3%1',:421+JC/
C/+'[9/+'Q9NN:1?@A-'@49#/":'4B'[5/"/81)'DEED)'\YGDI6]^JDXE-
j51'_)',%1/'Z'*-'P#1'3%1#1';1#54+58"::<'84::";25/U'R9RR:12'
5/'3%1'(C.S'&"#\$132`'V1a'105+1/81'B#4&'3%1'=Z?@A-'(121"#8%'
5/.31#/354/":'!925/122'f'[5/"/81)'HxD^)'KK6D]JKD-
i"\$40'P&5%9+-'::5e95+53<"/+'2348\$'#139#/26'8#422J218354/'
"/+'35&1J21#512'1BB1832'?@A-'@49#/":'4B'[5/"/85":'L"#\$132)'
HXXH)^GDI6KDJ^Y-'

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REITs

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项目名称	发行人	债券名称	期限(年)	发行金额(万元)	利率%	起始日	期限	计息
中信华夏三	南京国信	金融中心资产支持专项计划	3+3	155,800	5.80%	2016/11/28	3+3	3+3
	金融中心	金融中心资产支持专项计划	3+3	505,100	5.12%		3+3	3+3
	A	金融中心资产支持专项计划	3+3	143,800	5.95%		3+3	3+3
	B	金融中心资产支持专项计划	3+3	184,700	6.00%		3+3	3+3
	C	金融中心资产支持专项计划	3+3	64,700	6.24%		3+3	3+3
首誉光控	苏宁物流	光控资本资产支持专项计划	3+3	100,000	5.50%	2016/11/28	3+3	3+3
	苏宁物流	光控资本资产支持专项计划	3+3	100,000	5.50%	2016/11/28	3+3	3+3
中信华夏五	苏宁云商	苏宁优先二计划	3+3	120,000	4.00%	2017/6/24	3+3	3+3
	苏宁云商	苏宁优先二计划	3+3	184,700	4.00%	2017/6/24	3+3	3+3
东证资管	苏宁云商	苏宁优先三计划	3+3	64,700	4.00%	2017/6/24	3+3	3+3
	苏宁云商	苏宁优先三计划	3+3	100,000	5.50%	2016/11/28	3+3	3+3
	A	苏宁优先三计划	3+3	105,000	5.50%	2016/11/28	3+3	3+3
	B	苏宁优先三计划	3+3	25,000	6.50%	6/16	3+3	3+3
	C	苏宁优先三计划	3+3	30,000	6.50%	6/16	3+3	3+3
航星 A	AAA	68,000	4.90%	18				
航信托		140,000	2016/6/14					
航星 B	AA+	62,000	7.00%	5				
航星 C		10,000		18				
恒浩云 A	AAA	77,000	4.49%	18				
恒浩云 B	AA+	493,000	6.39%	12/23	9			
恒浩云 C	AA+	10,000	7.99%	9				
天虹优先	AAA	94,250	5.24%	4				
天虹商债	AAA	114,000	12/11					
		50,750	4.35%	4				
		50,750	4.35%	4				
恒泰洁馨		产支持专项计划						
恒洁航 A	AAA	153,100	5.39%	2015/12/2	18			
		250,000						
恒洁航 B	AA+	96,900						
苏宁 A	AAA	167,700	5.60%	2015/6/29	18			
		333,500						
苏宁 B	AA+	165,800						

因思





