

9Zci gVaobZY 7Yb 1h1c i nhiZb h VcY i X] ddaı Z\gZ\Vi 1c0; k^YZcXZ [gdb V DVi 1cVaHZ [dgb

i] Vc j ` i V DVi] C VXVgzcV Aj ihX] Zg(i Zg 1 J gpbV)

i i Vc [dgY =gY] ViZ i X] ddaı [8] h1cZhh (J c kZg1n d [C Vga/cY) J c kZg1n d [C Vga/cY VcY D8; H

C di kVi 1c

- ~ L~"~>şLH>H} %~-%%L} >L ALS-n>H, ..:LH", B, "Hs->L %YHL~" >%~} L~"
- "~ ..:>B BL >%oY%1H>%o.. sB", , , %%, ...; } , "L HcL %s nts-n ..:s "sY", , E 3f13 %YHL~"%o
 - fln * LE < "y >-H, , %o~
- ž, fLCL^ } , "L L] B1~" >-HfL N~L L~p>-Bs-n "pL, "L B> > , B> , ~ } snp~ , " ~LBL%~sY L>H", L%~%1n>LH%1p, , %o
 - 2L%1L~ > %1nLn> , ~>-Hpl"L, nL~LsYs-, Y%1L, ... , ~ " >%} sn>L" > , >Y} 3-, E L" >
- 5ps%o>.L^ 3^YH%o psl %o^nl %o>L >H, ... , ~ , N>BL~"~>şLH> , B> , ~ %%L} >-Hs LQLB"%o~%1p, , %1nLn> , ~
 - /` } Lp>-s%o
 - 2L...>BLHB Y~"Y%1LBL~"~>şLH%1L}
- f1... s%11Yl~ > s~", HYB , ~ , N"pL "LN^ } >B, %1nLns ~%Y%on >/ şQL~L~BL s- / şQL~L~BL %o>"LnY
- /`Lc1E , N"L%~%o*" , ş ..>B" , ~ >CL^>nL%1p, , %1nLn> , ~ AY" ş ...^">~" pL"L^, nL~LsY >B", %1p, , H%1sB"%o
 - "~B"~%1nLn> , ~s->L>%ş sp snp LcL %oN"1L~ > %1nLn> , ~
 - ž snpL^ ... , c%~ >-HHQL~L~ > >BBL%1L...:ş>L LH1B> , ~ >%1s~LHfEşp sB"~%1nLn> , ~

8VX` \gdj cY

- 3s-BL %1pLL "Y..L%oN%1p, , s~ pSL ..YAşB C, YBpL^ %1p, , %1H...:ş>L %1p, , %o
- / LBL~"~>şLH%1p, , >H} %~-%%L} pspnY%1LB CL
- ž snp %1s LB ~, } sB%1> TB> , ~s~ "pL LH1B> , ~> %%L}
 - , CL^pL} s-n} >w'sY, N, E 3f13 %YHL~"%1s şB%1p, , %o
- "~ "pL n, CL^~} L~" ...>%1H "pL >E &YHL "~B1%o~ f1%1s >^
 -) >w'B } ...~L~" BL~"~>şLH%1p, , >H} %~-%%L} 3 3

9Zci gVaobZY i X] ddaıc\ 7Yb 1h1c i nhiZb

- ~ L~"~>şLH3Bp, , s-n^ H} %~-%%L} 3 3 N^ ..YAşB >-Hc, YBpL^ %1p, , %1p^, Ynp >ELA >...şB> , ~ ...>, }
 - " H} %~-%%L} ...:ş>L %1p, , %1B ~ -Yl%1 AL HLBL~"~>şLH
- / LNL^LH^ BBL...>-BL>n, ^sp} fşp} Y ..L LA^L>ys-n
 - /`s^s L%o
 - %A s-nL~, LHs~"pL%1p, ,
 - ...s "sY%YHL~"%oY...", "pL } s-, N
 - BpsHL~, N%1p, , } B~%o
 - N^ } L^ %YHL~"%LcL...:Lq.L LH
- 2LN^ } E >%11^>H1Y> Ys~", HYBLH>" "pL "Lns ~> LcL AL^E LL~

f snY`L 3..> > H%1AY , ~ , N%1p, , "Y..L%1~ "pL) L", ... s>> 3>~ >n, >-H^, fYş A, "Lns ~%o

1) L^" ... s>>

2) , fYş A,

; b e 1gXVar igViZ\ n

- "~B" L~" > ş ..L} L~"> , ~>-HnL, n^>.pşC>ş , ~ / ş s- / ş HL%1~

$$Y_{crt} = 0 \times D_{rt} + Z_{cr} + r + t + crt$$

Y_{crt} %Y~B>-s-HL^ D_{rt} %L>"} L~" C>şA L >-H Z_{1cr} >L ...L 3^ 3} L>%L%oN, B> %1p, , s-n r B>..Y`L%o} L s-C>ş~" "Lns ~ %1BŞTB HQL~L~BL%o>-H t B>..Y`L%o1nLn>L HQL~L~BL%1nLn> , ~ , CL^ } L

- 5pL ... sB" ...>} L"L^, Ns~L"L%o%o1
- 1 %11} ... , ~%o
 - " H, ... , ~H>L, N"pL ... sB"~>-H } , L%1o-n LcL %oN%1p, , %1nLn> , ~
 - * , "L%1~%1%1~> B~s> , ~ , N"pL "L>} L~"
- 1 %o pL"L^, nL~L, Y%1QLB"%o

: Vi V

- f1~^, } L~" 3") ~ fl >-H%1p, , H>">
- 3Bp, , %1nLn> , ~ / Y~B>~ "HL^ >" %1p, , H%1sB" LcL
 - & E 3f13 } , "pL %ş sp, Y" >ž 3HLnLL
 - 1 %oN / Y~B>~ [0.3,0.5] s~ pSL
- 2L%1L~ > %1nLn> , ~ B, } Y ~n } L", >} L~s L%Y%on B, } ...L"L^, >H~L"E, "y, N" pSL
 - " >..Y`L%1>ş , ~s->BBL%1L...:ş>L LH1B> , ~ >%1s~LHfEşp sB"~%1nLn> , ~
- , Y%1L, ... , ~ , B> ... , c%1~ HQL~L~ > >BBL%1L...:ş>L LH1B> , ~
 - /`ş>L %1p, , %1L >%A%oY`L N^ c, YBpL^ >-H ..YAşB%1p, , %1Hş ..>B%o>^ B~s> , ~s-/`

f s> %1} ...L />-L , N %1p, , H%1sB"%1 Y~şB>s L%o CL^ TcL YL>^%o

C V1c HZhj a h

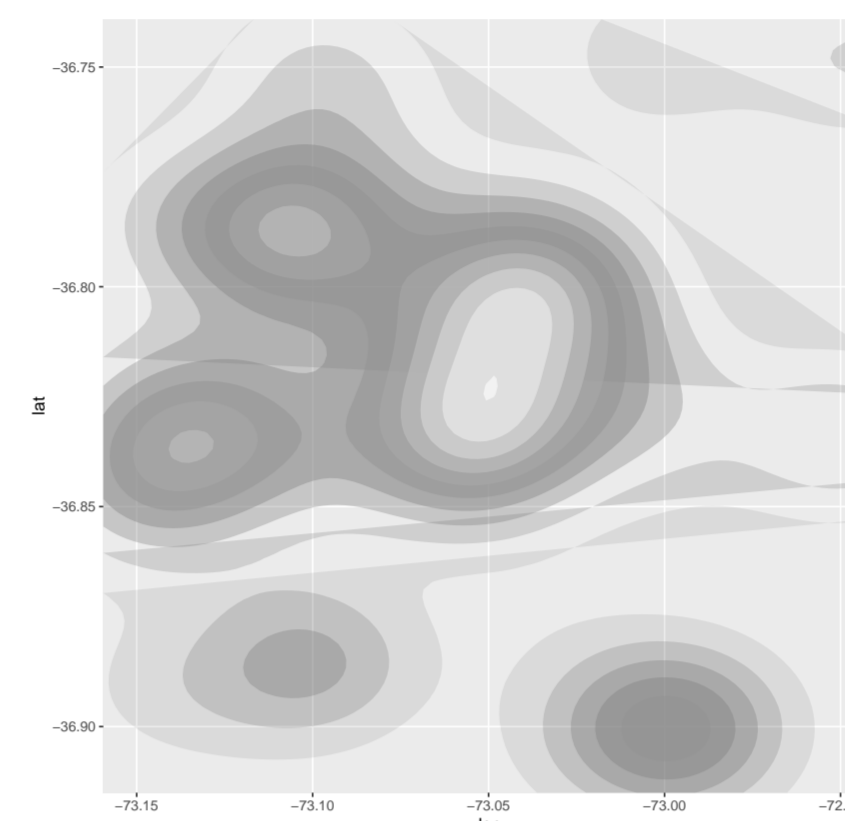
- , CL^> ~, %1 %1B> Y%1~şTB>~" ş ..>B"

- ž L"L^, nL~L, Y%1QLB"%o

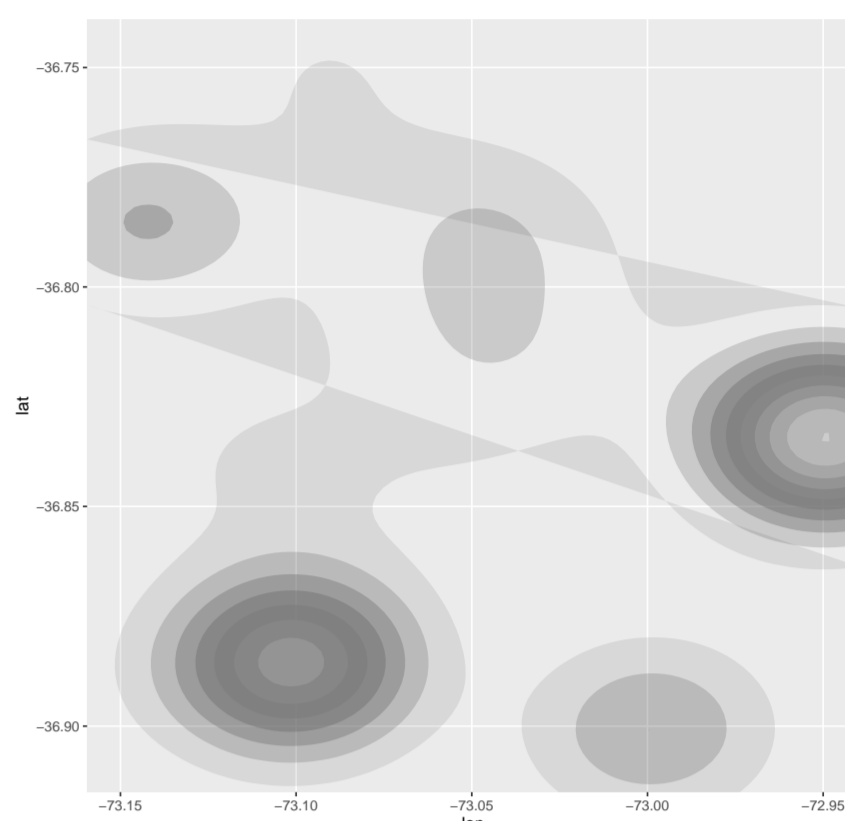
	/ Y~B>-s-HL^		
9^ 2" , &f13			
3^ 3HY) } Y D _{rt} × 2L%1L~ > 3Ln^Ln> , ~			
3^ 3HY) } Y D _{rt} × , N..YAşB...L 3^ 3			
3^ 3HY) } Y D _{rt} × , Nc, YBpL^ ...L 3^ 3			
3^ 3HY) } Y D _{rt} × 5>CL } L", ...:ş>L %1			
, A%1c> , ~%o			
2 %1Y>LH			
2Lns ~i fl	X	X	X
<L>^i fl	X	X	X
2, AY%1%1~H>HL^, "1s~>L~"pL%11o			
...< ...< ...<			

HZhYZci Vair Z\gZ\Vi 1c

f snY`L 3..> > HL~%1... , %oN, E >-Hpsnp 3f13 %YHL~"%1~ "pL , s As "Lns ~



& E s-B } L N} şL%o



ž snp s-B } L N} şL%o

F di Zci VaC ZX] Vc 1b

/, "L~ >} Lp>-s%o pspn 3f13} sn^ >-n N, } ..YAşB>-Hc, YBpL^", ...:ş>L %1p, , %o

9^ 2" , &f13	/ L..L~HL~" 9>şA L % , N%1sBpL^%o
3^ 3HY) } Y D _{rt}	
f1HYB) , "pL" >=	
3^ 3HY) } Y D _{rt} × f1HYB) , "pL" >=	
/`ş>L HY) } Y ...L 3 3	
/`ş>L HY) } Y ...L 3^ 3 ×) , "pL" LH1B >=	
3^ 3HY) } Y D _{rt} × /`ş>L HY) } Y ...L 3^ 3	
3^ 3HY) } Y D _{rt} × /`ş>L HY) } Y ...L 3^ 3 × f1HYB) , "pL" >=	
1 , ~%1~"	
, A%1c> , ~%o	
2 %1Y>LH	
2Lns ~i fl	X
<L>^i fl	X

I] gZVihid 1YZci ^ XVi 1c fl HdWj hicZhhI Zhih

5p`L>%1 şL~ TB> , ~

- />^> L "L~H%oL>H%1~H >n%1L%o c%11o ...L "L~H%oLns ~ %1BŞTB "L~Hc>şA L%o>>-H, } >%1~} L~" s~", "L>} L~"
- 2Y`L , Y" %1o>LnB "L%1~%11} sn^ > , ~ AY...>L~"%1~> B~s> , ~ , N"pL ... sB"
- * , B "L > , ~ AL^E LL~ "pL ... sB" >H ... , ~ H>L >-H "pL L%1o-n LcL %oN%1p, , %1nLn> , ~ s->"Lns ~

2, AY%1~L%1L%1%

- / Y~B>- "HL^ >"L^> CL ... , şL%1^ %YHL~" 3f13
- , ~ Y`A>- } Y~şB>s L%o
- /` , c~BL%1%1p, , H%1sB"%o
- 1 "L^> CL %1nLn> , ~ } L>%L