B E D. ELDE $D^{1,3}$ and M E. . Mille²

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In dcin

Ma ipt i 17 A t2015; a pt 14 pt 2015; 8 a i i 12 t 2015. C p i Eit: N. . H

-4 1 i patra) (t-4i +) i i a 1 a 1 atra a i a . I p t-4 f a a) a f-4 t- a 1 app a I I at 5 t) t a p p at I a (D i t a . 1991) t i 5 i 1 aa 4 1 I at p 5 t p p at 0 - a i 1 i f -4 I f at f i 1 i 1 a (G-14-4 2005). B t I t) t-4 a) a ti - 4 , I i I a a 1) a pt 1 i 8 t i t 1 (L i 1945, L f i t 1965).

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Мено

alli a al Bajia a aji i IDE-1 aj 7 pî (..., i 2002, i a H t 2010). 1 ta 1a 1, 1 t-1 i i i I M ta 11 i i f-1, i lil i pp at t i t-1 íi (,,):

M t î 10 4-11 and i 1 ata (10 -t--11 ata)

(2)

7 aia (,, +1) p t'1 -1 f.-i 1 i i i a at-bi + 1. i a ia f.-i ipat ia f.-i bi tpti)tip i ia, i, a pi i fappab f -i li li la li i taí-1, t, li l a pp a 1 -init, p b), fp i i. i a t pà f-n i t . (,.) - 1 pi i a - i - 1 p t fi I Ma 1 a 1 - 1 p 1 i t f b i at 1 t - 1 i i p aiit) [i a f a -i 1i 1i 1 a, (), a 1] i Mi Matai Sila i S-1 i ti. $\begin{array}{ccc} \mathbf{\hat{u}} & \mathbf{\hat{i}} & \mathbf{\hat{i}}$ 'nρ¹ύ --•p t, (,,), p t 'np -16 fisite fisto function 16 fisto fis ¹ p if f-1 f (,.) ¹p ¹p ¹μ air1' ifit, F, F, ap, (,) a gi 11 - 1 ffipi'p I taaf te fi , Ip aiit f it i α, α 10 i 1 ti 6 f ii it. 11 IM f-an i 1 ii) λαζη α α αi) α - 4-4 1 α α116 α, 1 t 1-4 αβοι tat a terp a a patra i -1 ta aiaiit). a ¹n tat . U ,U ia U a'p'ú -np tí-nU íU IM, hini a fa fap i 🌆 aphitait 10 fai -t+t-p.

1-1 tat Bay in ann an tIM t is a 'a a) i, '-1 and it 's fit t it a 'a t , [Ha a in] D.C. ath i ta Natia i tif f, a L --1 E ia a'l (LE) iti taN atit, it pi att paaap itt ՝∎ (Mu t a. 2009, Դես a[™] I Mu 2014).

-i 'p at. 1 t $\theta()$ a 'k() to a '-i at p is top a a 'paira aiaint), p is). 1 i t ai-1 ipi ') 1 -1 i 'p i it() a 'p aint) i t a is i i -1 i p att 1 'a (δ) t i 1 -1 i a tr 1 1-) 'a Aît 1 at --- -1 a , p at it t i 1-) 'a il p --aint) 1 t a is t 1 2-) 'a il p a-int) (1 -1). 'i 1 2-) 'a a a -- 't il -1 at (p aint) -2) '. C is -i) -aint a j):

(5)

h fltt-1 i hat i+n tî-1 n 1 a t i , i $\eta(y) \sim N(\mu_R, \sigma_R)$ a f a f σ a i -1 a a f ta fa f i at , p i), f i i f ti i f it at i fa 39.4 - 10 7 D.1238 (3(i i) - 2009()) jE /G 2 2 a ta

ີ1 t-t--1 t D, ລ¹1/b ລ.) ຂ --1 ປັ at --1 i ab p a iib ¹ t a.) ປີ ີ1-bi . ີ1 i+t -t 1 ta ປີ ໂ--1:

ABLE 1. M Saa 195% Sita (CI) în para t't tînitap júr Atij).

વ-≈ા t	M 1 a (95% CI)	i îti û
l _z) α ∽1 i αti i t pt,α ^g i	5.12 (5.348, 4.908)	N(0, 1000)
2 a -1 i at it pt, α^{g_2}	5.46 (5.742, 5.200)	N(0, 1000)
it p, t, α ^φ	1.66 (2.343, 1.065)	N(0, 1000)
at-t- tait pt,α ^δ		
Iî~1 1pi	3.09 (3.467, 2.729)	N(3.48, 3.33)
if⊶t tpi	3.04 (3.436, 2.656)	N(0, 1000)
Ma 1 p î it,	125 (122.9, 127.9)	(0, 500)
Mai î it,	3.251 (3.674, 2.835)	(50, 50)
Dí iti,σ	0.74 (0.517, 1.192)	(0, 100)
Ma isit \mathfrak{p} t, μ_{α}^{S}	0.55 (0.307, 1.578)	N(0, 1000)
Dí i ait pt,σ ^S α	0.92 (0.478, 2.148)	(0, 10)
ia p,β	0.36 (0.310, 0.420)	N(0, 1000)
protec Dí i a, σ^S_{ξ}	0.17 (0.006, 0.596)	(0, 1000)
Ma Thit pt, µ		

i 1, t_a),i 10 i î−4 1₁₀ i α 110 10 1⊱4 apîli 1ata t 1.

terta Bayia a ayi, t terta api tri i a anga-art (Fi.1). Lai atpiif—1 ab, I ti buat fil —1 afipa-aut, St Afat a pi (if—1 —1 ab , I ti buat fil —1 afipa-aut, St Afat a pi (if—1 —1 ab ti b —1 i Ma Iai M t Ca (MCMC) ill a aia)f—1 tfil buat Ipa-au — in ab ia JAG, appaa 1 f) asia t. a ll-in patfaif—1 ab pi ll Bg) ia fta paa (Fi.1). F all-1 i,

at pti, iti --- t 'tapi ibit) a a) i T Mi ttipi a 'a Mi b pti a ---- 1 G---- a ta. 2003, E 1 1 ta. 2013). F T ita at-1 1, 1 itit) a a) it trai Topi'ind pti blat fTo-11.

tai ໃຫ້ ₁ການເປັນສໍຸນໂຄົ 18000it -າຍ. ໂຄ່ເຫັນ 16 ຄົ ນີນ ໂດລ່ ນີ້-tùi thủ trả $(1..., p_{-1})^{-1}$ it cái fữ trả), tit i $(1..., p_{-1})^{-1}$ it cái fữ Trả), tit i $(1..., p_{-1})^{-1}$ (Li a (Eat 2012). Li a (Eat (2012) that tit i ii fili tat 1 10 p ii fit MCMC-at fitat. It Itaa a 110 ata-sup f⊶1 11 MCMC 11 અં દંગં∫⊶1 ગઇ ગ દ Topa-antal, To, a -anp 'n 1 tá 1 (Ku t a. 2010).

a MCMC i talal --1 ti t_x)-સાં ો ગોવા-ગાસ ર 1 t -Դամ [×] .Frt, ∝ ∝t \Ծ B -G-1∝-i t∝նն ,ԴiԴ --1թ∝ iԾj - a 1 t - I a ajah (B a 1 G-1 a 1998). a t l j 1 at 1 t -I a a a t I a 1.1 -t p - 1 (G-1 a a 1 H 2007).

BED. ELDEDANDME. . MILLE Ei a Maji . 86, N. 1

F.61 D 95% p 16 it a (I) i an

i and na itin nia at fiffi-ti a ai ip itpa-ant, ai an atin
-1 i, n pa-ant ai fa IM -1 i p finit HB-10 it a bin pater-1-1 p a it in aia, a itanyi ita at

p. Ani ગni a Bay ia app ant p it a at-

Diff i U-UU i t Bajia p, a taff tU aia f a a f a a 1 f b tapp all a ai l i t p b - a t f t-up a aiaint), U t l a b U tp t. F-u a f b tp p b , a a - at ai a (E. 12) i U a b tj i 1 f - U 1 ata, i 1 p p ab U f U f tait) (jap a 1982). I at, p t a buat f U t a f U at 1-u i a f buab i U p t i f - a m t hin i b) 1 n a iat 1 b 1 at, p ta maine i a interpreter a serie api a Hati 2002). F-1 ati a Ti a Bay iappt, That ippat Tat p taalu aia, hihhaaa iatt λ (Fr. 7) 🖌 the fathet - r p t a - r fa'- λ (Fi . 7) a turatuat a p ta a fa a ta turatuat a ba fa a ta turatuat a ba fa turatuat a ba fa a ta turatuat a ba fa turatuat a ba fa a turatuat a ba fa turatuat a ba fa a turatuat a ba fa turatuat a ba fa a turatuat a ba fa (Fi . 9) a turatuat a ba fa a turatuat λ(Fr.7B).Ital, tîbi tait) a t't -freati , bi aira i pa-ait -freat ીંચ્યવાં નિના 8ાંત આવ્યું. નાણ ગ ગાંગોણે,

ala) liti2011, i la-bi ptiliti fλa-mia.H, p-lepat a4-12, p-f.C tiltifiλa pii) pi ip is fit is a later if the tit of the part of the pa ti (Fi.9), a to titi) to an in 1 - anti ti (Sti 1998, Stala 2005). Ti, iti ti ti anati ij -1 p tab a_{1} p i a_{1} , ta a_{1} fai , - ai tab p i a a_{1} a f t-1 i i a - 1 ' p i b ai i Q. C a), i - 1 ' b app a - 2 i a f a tat t a ' b . f b a' t H t a ' H (2015), i i a) t i f t i 'i t B (i a) t i f t i 'i t '-

La aji -a aj att -a i i t i fa tf-a 1 i -a 1 a aj . i je p Ma la M t Ca (JMCMC)i a-e ptaka a jibu itata a a -1 1 (Ku ta. 2010, Ba al Li 2013). F JMCMC, T MCMC ો સંં ' ગ t p પ્રાથ દ ાંધો i t a filat-1 1.F Janp,t 1 ta JMCMC î îr îr a tata, at air tpir îr â 1 îr î îr î -- 1 îr-ીં ચ 2. વે નાંt ં ∫MCMG સ્વેચ the 11-1 p -1 1-1 p-1 tak 1 it i t a Ani ani a Bay ia î-au na î titî î I Mappan ya-a-a -ાં tait) રાંચી પંચા પ્રાય ગોય ગયના t.It, Bay is para the state tast to site tite for the state 1-1 april-1 ti Tappati Tatat a table a) 1 a) t to if-o ab t f p i to aprilata.

ACKN LEDGEMEN

U a J. Hi i Lee , . K i , B. a A , F. Di -. A. Fi , a 'U B Ba) pat i i it) î pî i a a - 1 t U - 1 a int. B. i pi ' a a - 1 tat a a a ... i î U i - 1 a M. H t a 'a a ... i î U i - 1 a M. H t a 'a a ... - 1 i î U i - 1 a M. H t a 'a a ... - 1 i î U i - 1 a ... 'a int. U a U - 1 a ... pp tî U i ta Nati a i 'iî î a 'i ta L - 1 E i a a'I (N FDEB-0620482 a 'DEB-1232294). tatiti a a 'i a ni a np t', N F-DEB-1316334 (BDE) a 'N F-DEB-1145588 D & , D. F., . F. M i , C. §t , B. E. K 12, 21 E. M.