		C. D.		(1))	2																	
) a)			gnosis izophreni ective dis		Drugs 105 12		8 113 2 14																
			rosis sonality c cial symp		18 47 0	5	19 31 52 99 13 13																
		Spe			182		276																
				schizo 12,18,4		ia','a	affect	ive d	isorde	er','n	eurosi	s','pe	ersona	lity d	isorde	er','s	pecial	symp.	toms')				
	nodrı	ıgs <-	c(8,2	2,19,52		, nodr	rugs)																
	pat.r	es =		test(oatien [.]		3.1.																
				s\$stdre																			
					(5-1):																		
	=> T)	ie p-val	ue obto	rined ba	sed on 1	he above	e codes	of χ^2 -	test is	nearly	O, whic	h indico	ites th	at diagno	ses an	d drug	prescipti	on are	not in	dependen	t,		
b)			Drugs	No Drugs				Drugs	No Drug	S			Drugs	No Drugs									
	Sch	izophrenia	103	8			Neurosis	18	19		Affec	nizoph <i>r</i> enia + tive Disorde	r 117	10									
	Affect	ive Disorder	12	2		Personali	ly Disorder	47	52			urosis + [†] y Disorder	65	71									
											Specia	l symptoms	0	13									
	. –1.0																						
coc	위 파일 (;			roughly	0.06 suhi	ich is	not sign	nificant	to cox	nclude H	that diaa	NO COC /	and de	ug presci	cintion	am no	indone	nden l					
														rug pres									
	"")	INC P	uiuc 13	neurty	V, MILLI	15 8[yn1+1Can1	7 70 0	onelude	TNOCT	alagnose	s and	arug	prescriptio	n are	NOT INC	rependen	Τ,					
	smokino	a <- c('	both pa	rents sm	noke','or	ne pare	nt smoke	es','nei	ither pa	arent sm	nokes')												
)	st.yes st.no <		00,416,1 80,1823, es+st.no	88) 1168)																			
	smoke < smoke	← data.		moking,s	st.yes,s	t.no,to	tal)																
	fit2 <-	- glm(st			ig, fami	ly=binor	mial (li	ink=logi	it), wei	ights=to	tal,data	=smoke)											
	Coeffi	cients:					<i>(</i> , , ,)																
	(Inter	cept) -	1.79502	0.06	rror z v 5576 –27 1704 6	.299 <	2e-16																
	Signif	. codes	: 0 '*	**′ 0.00	01 '**'	0.01 '*	·' 0.05	'.' Ø.1	. ' ' 1														
					inomial on 2																		
		al devi			on 1																		
	Number	of Fis	her Sco	ring ite	erations	: 3																	
	Λ.	. 1	11 -	$\int_{-\infty}^{\infty} \hat{\tau}$	<u> </u>	· _ 0 ∨	- 1	8+11 71	9 Y														
				'																			
	\ T	ha mari	املا	dance of	1 A-1		1	L	k	1 .	1 .	al .	1 -	_1	1.0								
	=) ,	15 1581	uai aev	iance i	S (),568	865, W	hich is	less	than th	ie degre	es of t	reedom	, 1,	This indi	cates t)	nat the	assume	ed mode	l does	Successf	ully des	cribe th	e dati
														This indi h numbe									

3) a) $f(y) = \frac{e^{\lambda} \lambda^{y}}{y!}$, $f(\lambda \wedge \wedge \rangle) = \frac{1}{\Gamma(\lambda)(\frac{\mu}{n})^{\lambda}} \lambda^{\lambda - \nu} e^{\frac{-\mu}{n} \lambda}$			
$P(y; K, M) = \int_{0}^{\infty} \frac{e^{\lambda} \lambda^{y}}{y!} \cdot \frac{1}{ (k) ^{2}_{X}} \lambda^{k} e^{\frac{\lambda}{M}\lambda} d\lambda$			
$= \frac{1}{\sqrt{1} \cdot \Gamma(k) (\frac{k^2}{6})^2} \int_0^{\infty} \lambda^{\frac{4}{3} + k - 1} e^{j \lambda (1^{\frac{1}{3} + \frac{j k}{3}})} d\lambda$			
$= \frac{1}{\sqrt{!} \cdot \Gamma(\kappa) (\frac{\sigma}{k})^{k}} \left(\frac{M}{M+k} \right)^{\frac{1}{2}+k} P(\frac{1}{2}+k)$			
$= \frac{\Gamma(y+k)}{y!/(k)} \left(\frac{k}{N+k}\right)^{x} \left(\frac{M}{M+k}\right)^{y}$			
$= \frac{\Gamma(\frac{4+k}{k})}{\Gamma(k)\Gamma(\frac{4+k}{k})} \left(\frac{k}{k+k}\right)^{k} \left(1 - \frac{k}{k+k}\right)^{d}$			
['(k) '(84) (714) (A14)			
b) $Y \sim N \mathcal{B}(\kappa, \frac{k}{\kappa + \kappa})$			
$= > E(Y) = \frac{r(1-p)}{p} = \frac{(k)(1-\frac{k}{p+k})}{(\frac{k}{p+k})}, r=k, p=\frac{k}{p+p}$			
$r = k \left(\frac{M}{J_{k} + K} \right) \left(\frac{M + K}{J_{k}} \right)$			
= A			
$\Rightarrow Var(Y) = \frac{r(1-p)}{p^2} = \kappa \left(\frac{A}{A+k}\right) \left(\frac{A+k}{\kappa}\right)^2$			
$= \frac{1}{K} \mathcal{A}(A+K)$ $= A + \frac{1}{K} \mathcal{A}^{\perp}$			
= A + k/L			