Dulaney, Stewart MATH 54 Section 4053

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			and a second second	more and the second	encective first Lawrence were stated to markets and serve expression business and	The second of th	er life da 1,5,10 m i verse a prevent nite (17,5 f et C) distributions. There yet prophygetische bibbe essen	And a second distribution of the second distribu			
			1 2	3 4	5 6	7 8					
				Hours Stud	ied						
	2.	r = 0.	8465								
a Typo?											
2.97	3.	$\hat{y} = -0.206x + 2.097$									
	Ч.	$\hat{y} = 0.45 \times -30.27$									
		$\hat{\gamma} = 0.45(95) - 30.27 = 12.48 \approx 12$									
N Why?		No, not a reasonable question									
		ŷ = 5.0443× + 56.1139									
	5.	Hours, X	Scores	A A A A A A A A A A A A A A A A A A A	(Y-9)		( y - ŷ ) 2	in distant with the first of the first state of the second state of the second state of the second state of the			
		3	65	71.2468	-6.2468		39.0225				
		5	80	81.3354	-1.3354	1	1,7833				
		2.	60	66.2025	-6.202	.5	38.4710	Σ Residuals <sup>2</sup> =			
		8	88	96.4683	- 8.468	33	71.7121	318.0379			
		2	66	66.2025	-0.202	15	0.0410				
		4	78	76.2911	1,708		2.9203				
		L1	85	76.2911	8.708		75.8449				
		5	90	81.3354	8.664		75.0753				
		6	90	86.3797	3.620		13.1066				
		2	21	717468	-0.246		0.0609				

		4.000						
6.	r = 0.837							Torrespond to address of the control of the
Case 10 Commission of Case 14 Commission Com	R2 = r2 =							
	-70.1% of the variability in y is explained by the least-squares							
a clarify	- Unexplain							
this part	- Explained variation is 29.9 % of total variation							
7.		<\$20k	\$20-35k	\$35 - 50k	\$50-75k	>\$75k	Totals	on university of the Light State are
	Own home	31	52	202	355	524	1164	
	Rent home	67	66	52	23	1)	219	
	Live w/ family	89	69	30	4	2	104	
- House transcent descriptions of the transcent description of the transcent	Totals	187	187	284	382	537	1577	
9.	HHHT, TTHH, THTH, THHT,  HTHT, TTTH, HTTT, TTTT,  THTT, TTHT, HHTT, HTTH $\frac{3}{3}$ P(D) = 1 - P(A) - P(B) - P(C)  = 1 - $\frac{1}{14}$ - $\frac{1}{14}$ = 1 - $\frac{3}{14}$ = $\frac{11}{14}$							
11. $P(A \text{ or } B) = P(A) + P(B) = 0.7 + 0.2 = 0.9$								
12.	$P(divorced) = \frac{21.7}{212.5} = 0.1021$ $P(male) = \frac{102.4}{212.5} = 0.4819$							
	P(divorced and male) = $\frac{9.0}{212.5}$ = 0.0424							
-	P(divorced or male) = P(divorced) + P(male) - P(divorced and male)							
	= 0.1021 + 0.4819 - 0.0424 = 0.5416							

13.	$P(jack) = \frac{4}{52} = \frac{1}{13}$ $P(club) = \frac{13}{52} = \frac{1}{4}$
	P (three) = 4 = 1 $P(diamond) = 13 = 1$ $52 = 13$
X 52 ?	A = "a jack"  B = "a three"
	$P(A \text{ or } B) = \frac{4}{52} + \frac{4}{52} = \frac{8}{52}$
14.	No
15.	Mult. Rule for Independent Events  E = "white ball F = "blue ball"
	$P(E \text{ and } F) = P(E) \cdot P(F) = 10 \cdot 12 = 0.2 \cdot 0.24 = 0.048$ 50 50
p 0.0676?	
16.	P(F E) = P(E  and  F) = 0.38 = 0.475 $P(E) = 0.8$
17,	P(fair and college degree) = 44 = 0.275 P(fair) = 87 = 0.5438
	P(college degree   fair) = 0.275 = 0.5057 0.5438

10	Gen. Mult. Rule	
	$E = "1st solid"  P(E) = \frac{q}{32} = 0.2813$	
	$F = "2nd solid"  P(F E) = \frac{8}{31} = 0.2581$	
	P(E and F) = 0.2813 · 0.2581 = 0.0726	
19.	$_{20}P_{y} = _{20!} = _{20.19 \cdot 18 \cdot 19 \cdot 16!} = _{116280}$	
•	$20P_{4} = 20! = 20.19.18.19.16! = 116280$	
20.	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	!
	5! (9-5)! 4! (6-4)! \$! . 4.3.2.1 \$! . 2.1	
	$= \frac{3024 \cdot 30}{24} = 126 \cdot 15 = 1890$	
	24 2	
21.	12 C6 = 924 8 C3 = 56 4 C3 = 4	
	P(3 parents and 3 teachers) = 8 (3 · 4 (3 = 56 · 4 = 224 = 0.7	1424
	12 6 924 924	