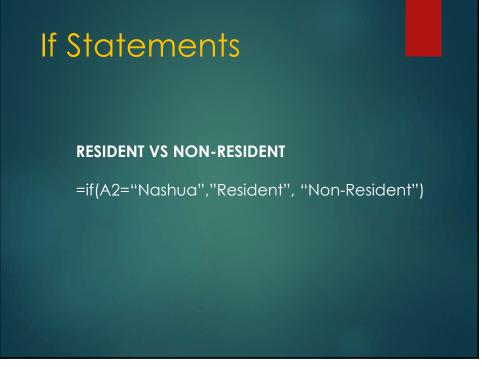
Created by Dawn Reeby. September 2020.



Video 3: Application with Complex Formulas

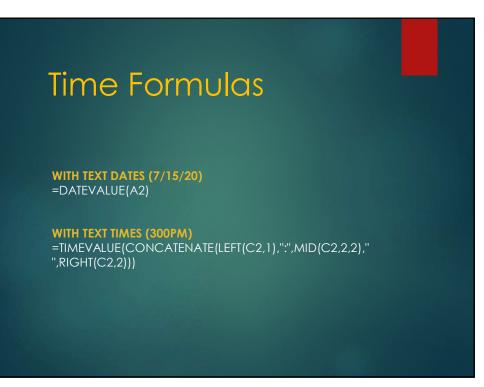


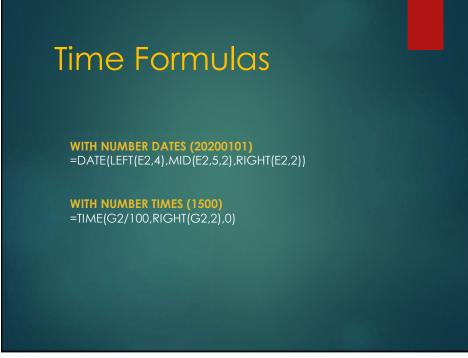


If Statements

SHIFT

=IF(AND(A2>1659,A2<2400),"Night","Not Night")





Tin	ne Co	alc	ulations				
B	С	D	E				
Arrived	Cleared	Elapsed	Notes				
2/11/2020 23:52	2/12/2020 1:00	1:08:00	Get the elapsed time in terms of numbers, to change it,				
2/12/2020 14:45	2/12/2020 15:20	Then <i>format the cell</i> by selecting <i>custom</i> and finding the 2020 15:20 0:35:00 format we prefer (E4 is shown in "h:mm:ss")					

Time Calculations

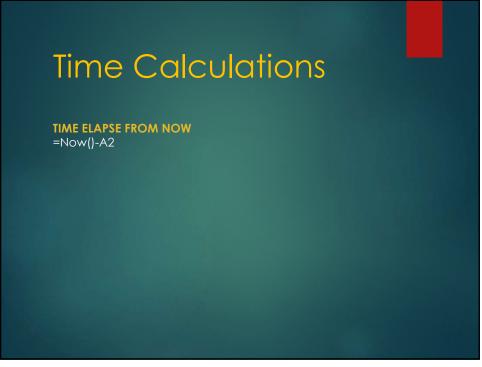
HOURS BETWEEN TIMES =TEXT(B2-A2,"h")

HOURS & MINUTES BETWEEN TIMES =TEXT(B2-A2,"h:mm")

HOURS, MINUTES & SECONDS BETWEEN TIMES =TEXT(B2-A2,"h:mm:ss")

NUMBER OF COMPLETE HOURS BETWEEN TIMES =INT((B2-A2)*24)

NUMBER OF MINUTES BETWEEN TIMES =(B2-A2)*1440



Time Calculation Tips

• Space

NO 12:00:00PM YES 12:00:00 PM

- Format using CUSTOM [h]:mm
- When dates/times cross over midnight, use MOD

=MOD((B2-A2),1)

• When calculating/summing time that will exceed 24 hours

Sum. Then format. Then CUSTOM [h]:mm

di	<u> </u>				
			ns		
A	B	C	D	E	F
CaseNo			Location	Interval	
2006-1608			201 WOODGLEN VICTORIA, TX	NA	Tu
2006-1636			213 RIATA VICTORIA, TX	8	We
2006-1646			5803 N JOHN STOCKBAUER DR VICTORIA, TX	11	Su
2006-1802			5803 N JOHN STOCKBAUER DR VICTORIA, TX	9	Tue
2006-1816			2022 HOUSTON HIGHWAY/N BEN JORDAN ST V		Tue
2006-1830			805 S MAIN ST VICTORIA, TX	8	Wee
2006-1838			5609 N JOHN STOCKBAUER DR VICTORIA, TX	3	Sa
2006-1846			1800 PLEASANT GREEN DR VICTORIA, TX	3	Tue
2006-1858			1007 E RIO GRANDE ST VICTORIA, TX	7	Tue
2006-2010			1003 FERN LN VICTORIA, TX	5	Sur
2006-2040			2700 SALEM RD VICTORIA, TX	10	Wed
2006-2042			1004 S NAVARRO ST VICTORIA, TX	7	Wed
2006-2054			2403 BOOKER ST VICTORIA, TX	6	Tue
2006-2220	11/9/2020	18:35	106 TAMPICO CT VICTORIA, TX	13	Mon
Average		19:00		7	
St Dev		0:46		2.79	
Minimum		17:40		3	
Maximum		20:20		13	
Predictions					
Minimum	11/12/2020	17:40			Thu
	11/13/2020				Fri
	11/19/2020				Thu
	11/22/2020				