



1



2

If Statements

RESIDENT VS NON-RESIDENT

```
=if(A2="Nashua","Resident", "Non-Resident")
```

3

If Statements

SHIFT

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

4

Time Formulas

WITH TEXT DATES (7/15/20)

=DATEVALUE(A2)

WITH TEXT TIMES (300PM)

=TIMEVALUE(CONCATENATE(LEFT(C2,1),":",MID(C2,2,2),"",RIGHT(C2,2)))

5

Time Formulas

WITH NUMBER DATES (20200101)

=DATE(LEFT(E2,4),MID(E2,5,2),RIGHT(E2,2))

WITH NUMBER TIMES (1500)

=TIME(G2/100,RIGHT(G2,2),0)

6

Time Calculations

| B | C | 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 | 0:35:00 | Then <i>format the cell</i> by selecting <i>custom</i> and finding the format we prefer (E4 is shown in "h:mm:ss") |

7

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

8

Time Calculations

TIME ELAPSE FROM NOW
`=Now()-A2`

9

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**

10

Predictions

| A | B | C | D | E | F |
|-------------|------------|-------|--|----------|-----|
| CaseNo | Date | Time | Location | Interval | DOW |
| 2006-1608 | 8/4/2020 | 19:50 | 201 WOODGLEN VICTORIA, TX | NA | Tue |
| 2006-1636 | 8/12/2020 | 18:43 | 213 RIATA VICTORIA, TX | 8 | Wed |
| 2006-1646 | 8/23/2020 | 19:12 | 5803 N JOHN STOCKBAUER DR VICTORIA, TX | 11 | Sun |
| 2006-1802 | 9/1/2020 | 20:03 | 5803 N JOHN STOCKBAUER DR VICTORIA, TX | 9 | Tue |
| 2006-1816 | 9/8/2020 | 17:40 | 2022 HOUSTON HIGHWAY/N BEN JORDAN ST V | 7 | Tue |
| 2006-1830 | 9/16/2020 | 20:20 | 805 S MAIN ST VICTORIA, TX | 8 | Wed |
| 2006-1838 | 9/19/2020 | 20:00 | 5609 N JOHN STOCKBAUER DR VICTORIA, TX | 3 | Sat |
| 2006-1846 | 9/22/2020 | 18:30 | 1800 PLEASANT GREEN DR VICTORIA, TX | 3 | Tue |
| 2006-1858 | 9/29/2020 | 18:18 | 1007 E RIO GRANDE ST VICTORIA, TX | 7 | Tue |
| 2006-2010 | 10/4/2020 | 19:00 | 1003 FERN LN VICTORIA, TX | 5 | Sun |
| 2006-2040 | 10/14/2020 | 17:55 | 2700 SALEM RD VICTORIA, TX | 10 | Wed |
| 2006-2042 | 10/21/2020 | 18:52 | 1004 S NAVARRO ST VICTORIA, TX | 7 | Wed |
| 2006-2054 | 10/27/2020 | 19:04 | 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 |
| -1 St Dev | 11/13/2020 | 18:13 | | | Fri |
| +1 St Dev | 11/19/2020 | 19:47 | | | Thu |
| Maximum | 11/22/2020 | 20:20 | | | |

11