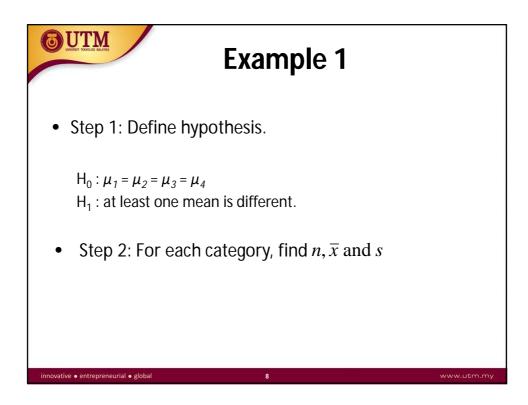
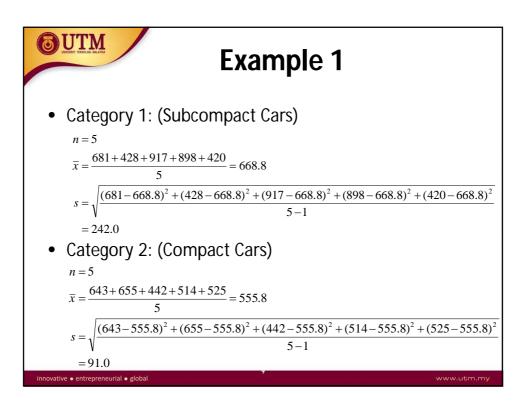


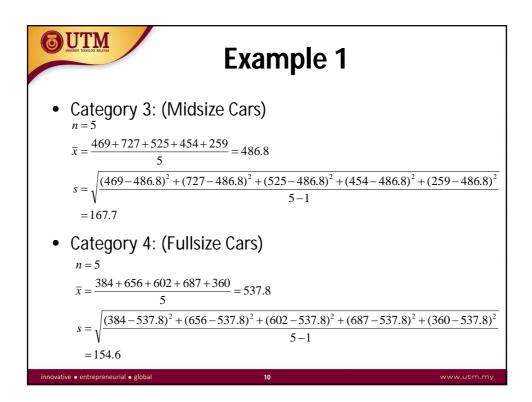
Example 1

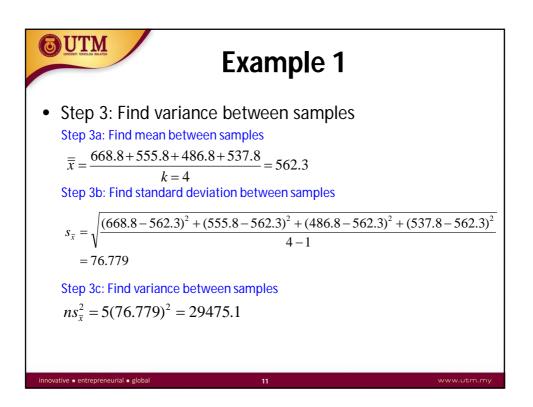
Table below lists the head injury to car crash test dummies for four different types of cars. Use a 0.05 significance level to test the null hypothesis that the different types of car have the same mean.

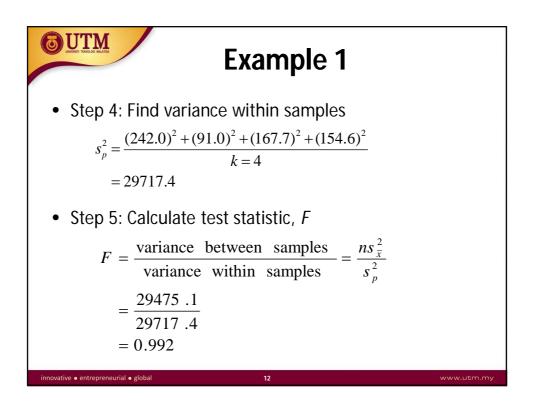
| No. of head injury | | | | | | |
|----------------------------------|--------------|--------------|----------------|--|--|--|
| Subcompact Cars | Compact Cars | Midsize Cars | Full-Size Cars | | | |
| 681 | 643 | 469 | 384 | | | |
| 428 | 655 | 727 | 656 | | | |
| 917 | 442 | 525 | 602 | | | |
| 898 | 514 | 454 | 687 | | | |
| 420 | 525 | 259 | 360 | | | |
| | | | | | | |
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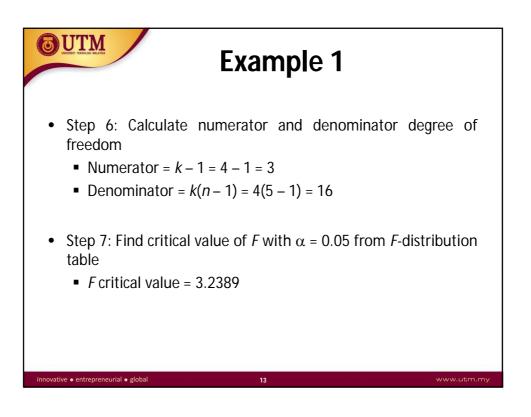


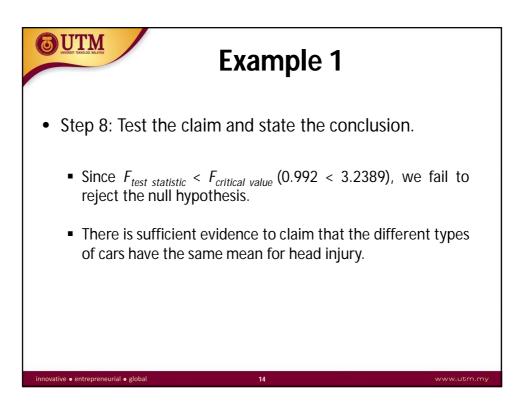










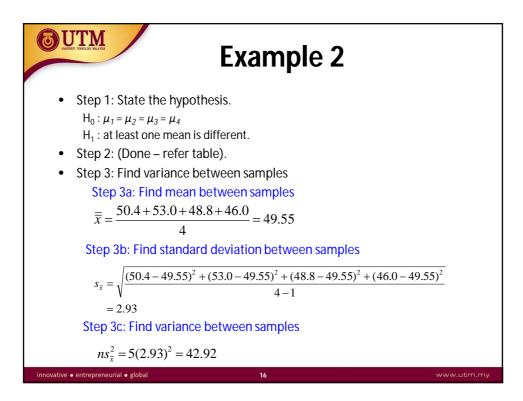


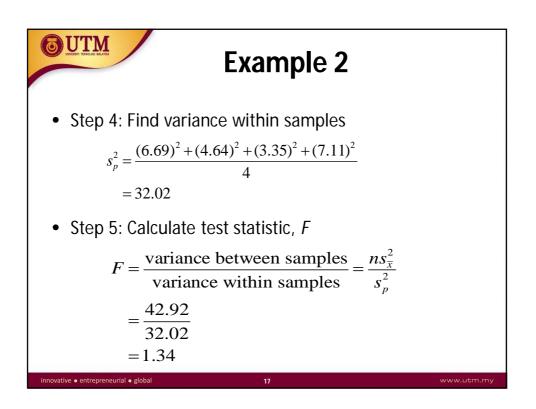
Example 2

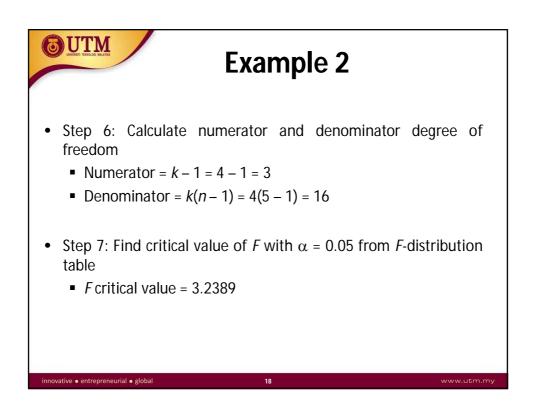
UNTERENT TENEDLOGI BALLAYER

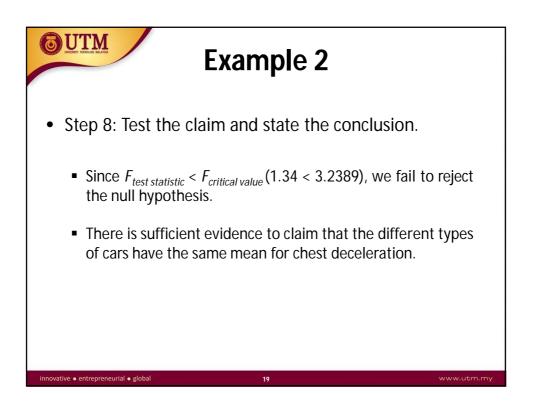
Table below lists the chest deceleration to car crash test dummies for four different types of cars. Use a 0.05 significance level to test the null hypothesis that the different types of car have the same mean.

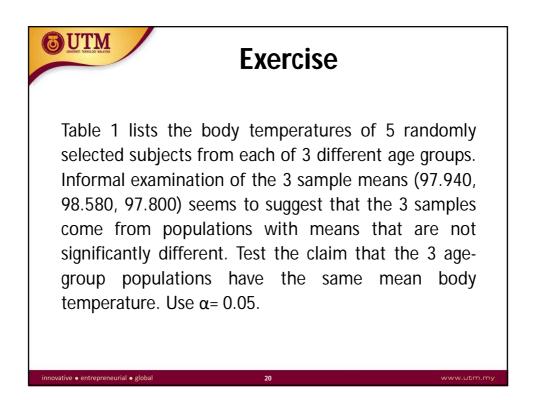
| | Subcompact Cars | Compact Cars | Midsize Cars | Full-Size Cars |
|------|------------------------------------|-----------------------|-----------------------|-----------------------|
| | n = 5 | n = 5 | n = 5 | n = 5 |
| | $\overline{x} = 50.4$ | $\overline{x} = 53.0$ | $\overline{x} = 48.8$ | $\overline{x} = 46.0$ |
| | s = 6.69 | s = 4.64 | s = 3.35 | s = 7.11 |
| | | | | |
| | | | | |
| inno | ovative • entrepreneurial • global | 15 | | www.utn |











| | Exercis | 6 | | | | | |
|------------------------------------|---|------------------------|--|--|--|--|--|
| Table 1: Body Temp | Table 1: Body Temperature (°F) Categorized by Age | | | | | | |
| 18-20 | 21-29 | 30 and older | | | | | |
| 98.0 | 99.6 | 98.6 | | | | | |
| 98.4 | 98.2 | 98.6 | | | | | |
| 97.7 | 99.0 | 97.0 | | | | | |
| 98.5 | 98.2 | 97.5 | | | | | |
| 97.1 | 97.9 | 97.3 | | | | | |
| | | | | | | | |
| n ₁ =5 | n ₂ =5 | n ₃ =5 | | | | | |
| Mean: x ₁ =97.940 | x ₂ =98.580 | x ₃ =97.800 | | | | | |
| Std. Dev: S1=0.568 | s ₂ =0.701 | s ₃ =0.752 | | | | | |
| ovative • entrepreneurial • global | 21 | 1441 BL | | | | | |