

# PROB STAT HONORS

Name \_\_\_\_\_

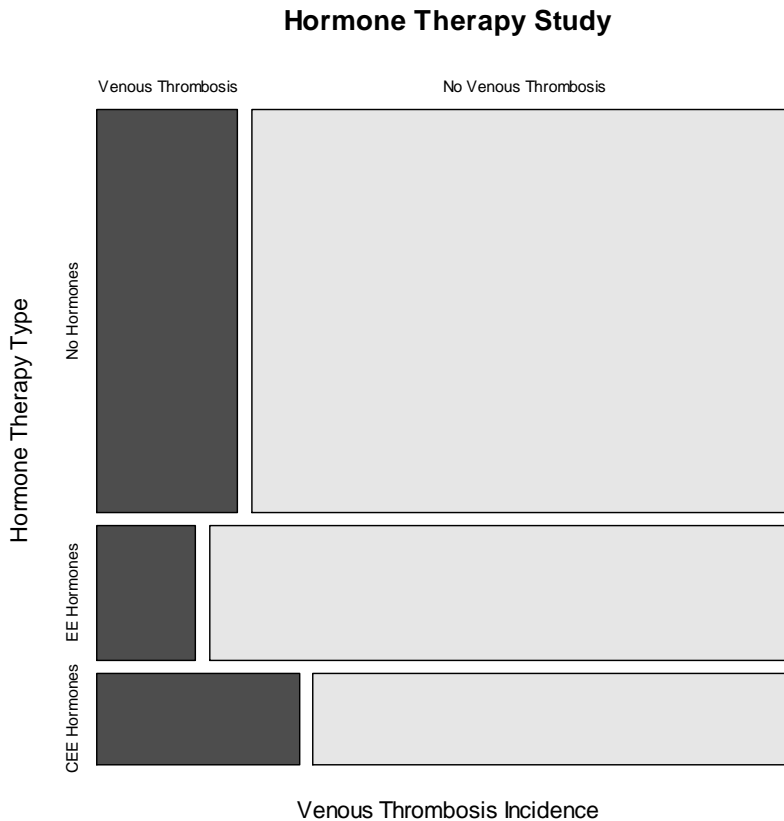
## 3.2 – MORE GRAPHS

A study was conducted to determine if hormone therapy increased the risk of venous thrombosis in women. The results of the study are given below.

	No Hormones	EE Hormones	CEE Hormones
Venous Thrombosis	372	86	121
No Venous Thrombosis	1439	515	289

Use these data for questions 1 – 2.

1. Construct a segmented bar chart of these data to show the relationship between type of hormone therapy and incidence of venous thrombosis.



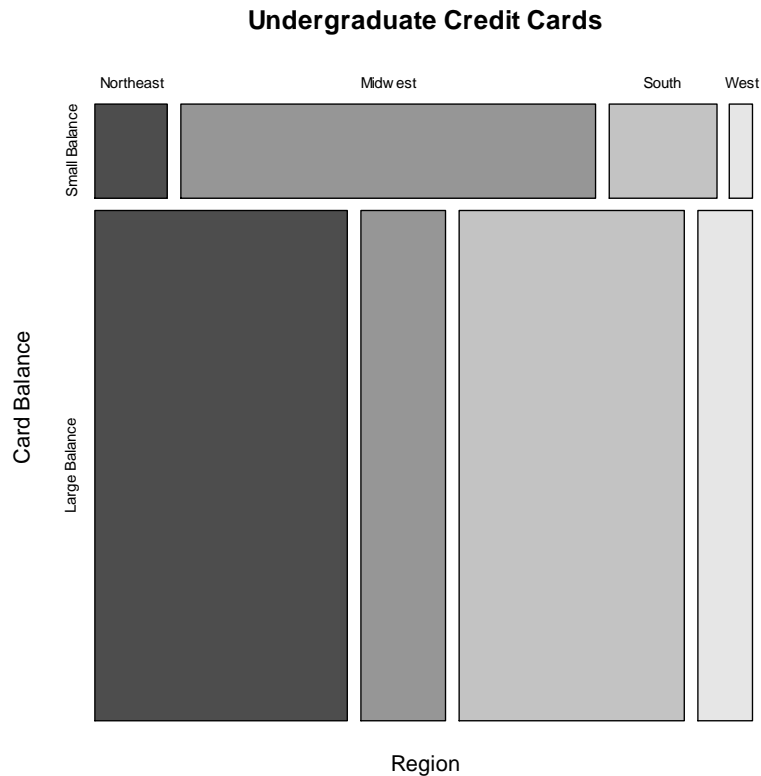
2. A mosaic plot of these data is shown above. Write a sentence or two describing the relationship between hormone therapy type and the incidence of venous thrombosis.

Information was collected from a random sample of undergraduate students concerning their region of residence and whether or not they had a large balance on a credit card. The results are shown below.

<i>Region</i>	<i>Small Balance</i>	<i>Large Balance</i>
Northeast	28	537
Midwest	162	182
South	42	481
West	9	118

Use these data for questions 3 – 4.

3. Construct a segmented bar chart of these data to show the relationship between home region and credit card balance.



4. A mosaic plot of these data is shown above. Write a sentence or two describing the relationship between home region and credit card balance.