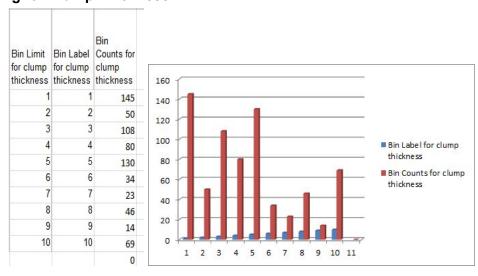
Before Reduction

| | toses | 1 | n | Nuclei | Cell Size | Adhesion | Shape | Size | S | 1 |
|---|-------|-----|----|--------|-----------|----------|-------|------|---|-----|
| 2 | 1 | - 1 | 3 | 1 | 2 | 1 | 1 | 1 | 5 | 2 |
| 2 | 1 | 2 | 3 | 10 | 7 | 5 | 4 | 4 | 5 | 3 |
| 2 | 1 | 1 | 3 | 2 | 2 | 1 | 1 | 1 | 3 | 4 |
| 2 | 1 | 7 | 3 | 4 | 3 | 1 | 8 | 8 | 6 | 5 |
| | | | | | | | | - | | |
| 2 | 2 | _1 | 2 | 1 | 2 | 1 | 1 | 1 | 3 | 695 |
| 2 | 1 | 1 | 1 | 2 | 3 | 1 | 1 | 1 | 3 | 696 |
| 2 | 1 | 1 | 1 | 1 | 2 | 1 | - 1 | 1 | 2 | 697 |
| 4 | 2 | 10 | 8 | 3 | 7 | 3 | 10 | 10 | 5 | 698 |
| 4 | 1 | 6 | 10 | 4 | 3 | 4 | 6 | 8 | 4 | 699 |
| 4 | 1 | 4 | 10 | 5 | 4 | 5 | 8 | 8 | 4 | 700 |

After Reduction

| 1 | S | Size | Shape | Adhesion | Cell Size | Nuclei | n | [i] | Mitoses | | | | |
|-----|---|---------|-------|----------|-----------|--------|---|-----|---------|---|---|---|---|
| 2 | 5 | 1 | 1 | 1 | 2 | 1 | | 3 | 1 1 | | | 2 | |
| 3 | 5 | 4 | 4 | 5 | 7 | 10 | | 3 | 2 1 | | | 2 | |
| 4 | 3 | 1 | 1 | 1 | 2 | 2 | | 3 | 1 1 | | | 2 | |
| 5 | 6 | 8 | 8 | 1 | 3 | 4 | 3 | 3 | 7 1 | 3 | | 2 | |
| 295 | | 657753 | | 3 | 1 | 1 | 4 | 3 | 1 | 2 | 2 | 1 | 2 |
| 296 | | 685977 | 13 | 5 | 3 | 4 | 1 | 4 | 1 | 3 | 1 | 1 | 2 |
| 297 | | 805448 | | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 2 |
| 298 | | 846423 | 1 | 0 | 6 | 3 | 6 | 4 | 10 | 7 | 8 | 4 | 4 |
| 299 | | 1002504 | | 3 | 2 | 2 | 2 | 2 | 1 | 3 | 2 | 1 | 2 |
| 300 | | 4523534 | | 6 | 8 | 4 | 2 | 1 | 5 | 3 | 2 | 3 | 1 |
| | | | | | | | | | | | | | |

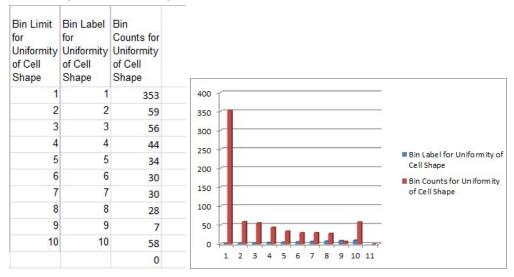
1.Binning for Clump Thickness



2.Binning for Uniformity of Cell Size

| Bin Limit for Uniformity of Cell Size | Bin Label for Uniformity of Cell Size | Bin Counts for Uniformity of Cell Size | | | |
|---|---|--|-------|-----------------------|--|
| 1 | 1 | 384 | 400 ~ | | |
| 2 | 2 | 45 | | | |
| 3 | 3 | 52 | 350 | | |
| 4 | 4 | 40 | 300 | | |
| 5 | 5 | 30 | 250 | | ■ Bin Label for Uniformity |
| 6 | 6 | 27 | 200 | | of Cell Size |
| 7 | 7 | 19 | 150 | | Bin Counts for Uniformity of Cell Size |
| 8 | 8 | 29 | 100 | | |
| 9 | 9 | 6 | 50 | | |
| 10 | 10 | 67 | 0 + | | |
| | | 0 | | 2 3 4 5 6 7 8 9 10 11 | |

3.Binning for Uniformity of Cell Shape



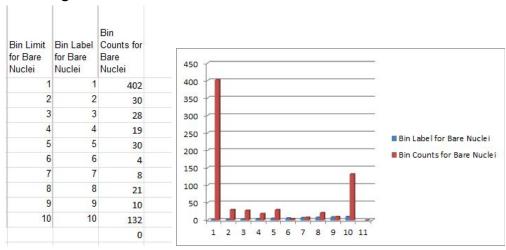
3.Binning for Marginal Adhesion

| | Bin Label for Marginal Adhesion | Bin Counts for Marginal Adhesion | 450 | | | | | | | | | | |
|----|--|---|-------|---|-----|-----|---|---|-----|---|----|-----|---------------------------|
| 1 | 1 | 407 | 400 | | | | | | | | | - | |
| 2 | 2 | 58 | 350 | | G. | | | | | | | - 0 | |
| 3 | 3 | 58 | | | e i | | | | | | | | |
| 4 | 4 | 33 | 300 | | | | | | | | | | Bin Label for Marginal |
| 5 | 5 | 23 | 250 | | | | | | | | | 117 | Adhesion |
| 6 | 6 | 22 | 200 | | | | | | | | | - | ■ Bin Counts for Marginal |
| 7 | 7 | 13 | 150 | | | | | | | | | - | Adhesion |
| 8 | 8 | 25 | 100 | H | | | | | | | | 100 | |
| 9 | 9 | 5 | 50 | | -1 | | | | | | | | |
| 10 | 10 | 55 | 0 | | | | _ | | | 1 | | | |
| | | 0 | _ 0 | 1 | 2 3 | 3 4 | 5 | 6 | 7 8 | 9 | 10 | 11 | |

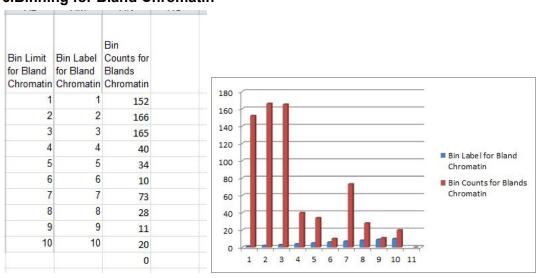
4.Binning for Single Epithelial Cell Size

| Epithelial | Bin Label for Single Epithelial Cell Size | | | | | | | | | | | |
|------------|--|-----|---------|---|-----|-----|---|------|---|-------|------|-------------------------|
| 1 | 1 | 47 | 400 | _ | | | | | | | | |
| 2 | 2 | 386 | 350 | | | | | | | | | |
| 3 | 3 | 72 | 2000000 | | | | | | | | | |
| 4 | 4 | 48 | 300 | | | | | | | | | |
| 5 | 5 | 39 | 250 | | | | | | | | - 50 | ■ Bin Label for Single |
| 6 | 6 | 41 | 200 | | | | | | | | | Epithelial Cell Size |
| 7 | 7 | 12 | 150 | - | | | | | | | 7.0 | ■ Bin Counts for Single |
| 8 | 8 | 21 | 100 | | | | | | | | 17.7 | Epithe lial Cell Size |
| 9 | 9 | 2 | 50 | | | | | | | | | |
| 10 | 10 | 31 | 0 | | | | | -0-4 | | 1 | =7 | |
| | | 0 | _ 0 | 1 | 2 3 | 4 5 | 6 | 7 8 | 9 | 10 11 | | |

5.Binning for Bare Nuclei



6.Binning for Bland Chromatin



7.Binning for Normal Nucleoli

| for Normal | Bin Label for Normal Nucleoli | Bin Counts for Normal Nucleoli | 450 | <u> </u> | - |
|------------|-------------------------------------|---|---------|-----------------------|-------------------------|
| 1 | 1 | 443 | 400 | | - |
| 2 | 2 | 36 | 350 | | 2 |
| 3 | 3 | 44 | 300 | | <u>-</u> |
| 4 | 4 | 18 | 250 | | Bin Label for Normal |
| 5 | 5 | 19 | 2000000 | | Nucleoli |
| 6 | 6 | 22 | 200 | | ■ Bin Counts for Normal |
| 7 | 7 | 16 | 150 | | – Nucleoli |
| 8 | 8 | 24 | 100 | | _ |
| 9 | 9 | 16 | 50 | | _ |
| 10 | 10 | 61 | 0 | | 7 |
| | | 0 | | 2 3 4 5 6 7 8 9 10 11 | |

8.Binning for Mitosis

