Ex3 Ind Task 4 

6895.28362599982 5609.7803258481 6235.10685390824 8161.88941767905 5570.84782212273 5740.28576994268 8331.40434225078

2013 67 23 2041bm pins lin compression strength [psi] 4105.34589887834 4105.34589887834 5194.31820029788 43811.47208320498 3045.41693481659 4341.50941165342 5780.198073836259 3515.53404996438 3748.77829992904 3673.60429628515 7872.24158048337 5899.07953868645 499.07953868645 6013.42478052427 4224.44184206169 4597 28017242865 3827.3175119815 3529 14613126731 7735.22013549174 3775.37469170935 4607 53697594315 4607.53697594315 4626.12405562304 4154.83786596629 3882.28984544877 3246.00673546398 4689.25157338182 4956.57051044806 5671.34280095125 5340.59294077726 5750.986159036 3823.51354891401 4114.00956122425 4733.44528960453 074.01905200798 2003.15539294573 5156.6356733764 4814.38504065164 3809.1871499357 5381.10168577851 5698.10542856365 3283 69418650581 4908.54796565883 4075 20314211682 4159.75716012254 555 43005356347 5322.50358337315 3361.96175329281 6703.62403744703 5413.15784825266 4562.43661165835 4105.51067622407 6514.61230461275 4806.69060692225 3310.87565439035 3902.60600042129 3238.08489214044 4120.14414911566 5222 50259227215 3412.82447198071 4668.26876238106 9446.42356802626 3318.59702731791 5290.32702448283 4321.91908240021 5611.3884017566 2857 75196656202 3224.28631662492 3275 45766193391 4183.80330750762 4025.01914014984 3965 03460726058 3965.03460726058 3862.15961592536 4721.27087324162 3906.96094721754 3887.61318990163 4174.21558215154 4285.37717997694 6205.47830648411 4230.51034216122 3869.12562561265 2467.09727550872 4657.46351875361 4046.93908458431 3554.1263026253 6300.10552676757 6960.62441752097 4594 91355335327 6401.04932289251 3934 83172720091 797 0672560028 980.92750759071 5119 91074320138 0772 701625645 1391.13352871679 1895.28362599982

## we are to create a function that says yes if the number is above 5000 psi and says no if its below or equal to 5000 psi. Then we calculate the descriptive data and create a histogram.

Calculation Section: number of compression values greater than 5000 psi number of compression values greater than 50 number of total data points percentage of measurements above 5000 psi minimum maximum range mean Standard Deviation

=COUNT(A12-A111) =COUNT(A12:A111) =(F6/F7)\*100% =MIN(A12:A111) =MAX(A12:A111) =F10-F9 =AVERAGE(A12:A111) =STDEV(A12:A111)

