

Unit 4 – Additive and Non-additive measures

Read the revised Advanced Forest Biometrics pdf found on the blackboard site. This has information on mean diameters, basal area, and stocking measures.

Read the tree papers in the Stocking section of the Blackboard site.

Down load the code file stocking.R from the website Unit 4

Open the R in a place where you have access to the P1.R plot data.

Then

```
>source("stocking.R")
```

or put file.choose () in the place of the file name and select the file.

this function will calculate the three stocking measures described above.

To run the function use

```
>stocking(p1$y57,exfac=5)
```

Run this function for each year and paste into a table in Word.

Run the stocktable on the p1\$y07

Two of the stocking values SDI and RD can be calculated easily by hand in R using the values from the stocking table. Calculate the SDI and RD for each species class in the table. Note the fact the the group value do not sum to the total value from the step above.

Write a one page document that explains your findings of the on stocking over time and subgroup stocking.