

Apple pollinator diversity 2013 - Norway

Jens Åström

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Calculating site mean pollinator richness for apple, 2013. The paper wants the total number of observed species per field within the whole 30 minutes, averaged over the 4 sample times. I provided raw values of species occurrences on a sample level before. Somehow, I don't think this has been aggregated properly. I can't figure out how you got the numbers I got sent in the Norway.ods file. So, here are the raw values again, the hopefully correct aggregate and the steps I have used.

```
div.raw<-read.csv("apple_raw_div_2013.csv")

library(reshape)

#names(div.raw)
poll.div.melt<-melt(div.raw,measure.vars=4:length(div.raw))
poll.div.sample<-cast(poll.div.melt,formula=Field+Recording~variable,fun.aggregate=sum)

poll.div.field.mean<-tapply(rowSums(poll.div.sample[3:length(poll.div.sample)]>0),
                             poll.div.sample$Field,mean)

out<-data.frame("Field"=names(poll.div.field.mean),
                 "SiteMean_Richness_NetSamp"=poll.div.field.mean,
                 "Minutes_NetSampling"=30)

write.csv(out,file="Norway_apple_SiteMean_Richness.csv",row.names=F)
```

I did a similar aggregation for the red clover data, but I won't reiterate those steps here.

Let me know if anything is unclear. I hope the rest of the apple data is OK. I haven't double checked your other aggregations there. That original data I sent you had a rather confusing structure since you wanted the different measurements in the same sheet, although number of samples differed etc. Let me know if you want me to provide new aggregations of something else.

Good luck,

Jens