Replication document for age-depth model of Ha Makotoko

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Load Necessary Libraries and Data

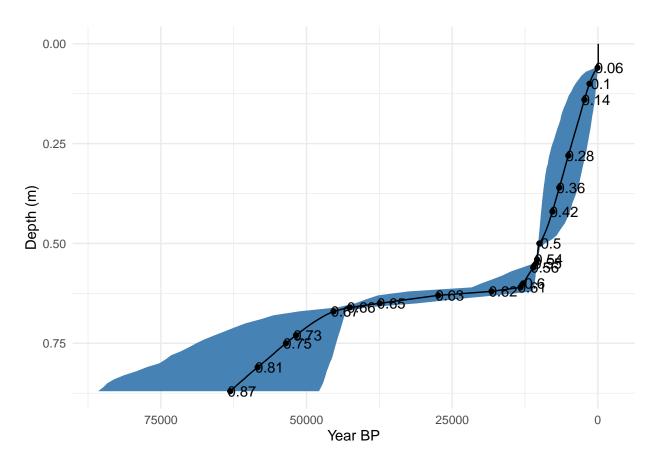
Run Bchronology

Summarize the model

Write out results

```
write.table(hm_agedepth_summary,
            file = "./hm_agedepth_Bchron.csv",
            sep = ",",
            row.names = F)
write.table(hm_agedepth_summary_sample,
            file = "./hm_agedepth_Bchron_sample.csv",
            sep = ",",
            row.names = F)
hm_data_with_agedepth <- merge(hm_data,
                            hm_agedepth_summary_sample,
                            by.x = 5,
                            by.y = 1)
# funcion for rounding if a column is numeric (for print/publication formatting of the age-depth summar
round_numeric <- function(x){</pre>
   if(is.numeric(x)){
        return(round(x, 2))
   } else{
       return(x)
   }
}
hm_data_with_agedepth_rnd <- hm_data_with_agedepth
for(j in 1:ncol(hm_data_with_agedepth_rnd)){
   hm_data_with_agedepth_rnd[, j] <- round_numeric(hm_data_with_agedepth_rnd[, j])
write.table(hm data with agedepth rnd,
            file = "./hm_agedepth_Bchron_sample_merged.csv",
            sep = ",",
            row.names = F)
```

Plot the model



```
ggsave(device = "pdf",
  file = "./agedepth_Bchron.pdf")
```

Saving 6.5×4.5 in image