Testing dpf

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Testing

I tried doing the following:

```
# pull recent mtmcbride/dpf/dpf
# devtools::install_github('mtmcbride/dpf/dpf')
library(dpf)
```

which had some problems that I'm not quite sure of. I managed to download it, open the file structure and build using devtools::load_all().

```
##devtools::load_all('../dpf')
## Note that this is my forked version.
```

I then made a few modifications for testing to dpf.cpp. These are incorporated in my fork. (Which has the same issue). In kf1step I used

These two changes should allow me to see the predictions (the continuous states you actually want to plot) for the *previous* state.

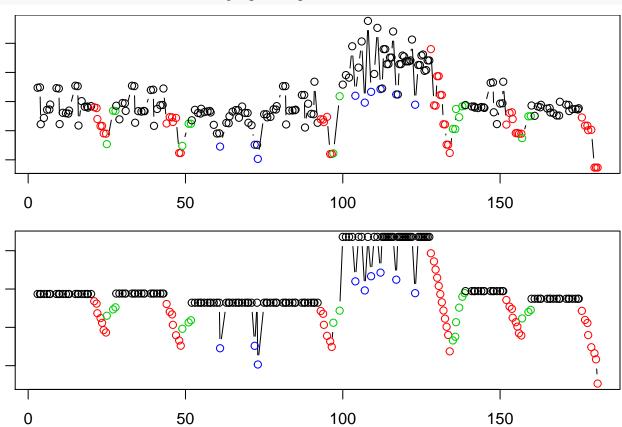
Second, I changed the following in pathStuff:

This should let me look at the predictions easily if I get a path.

Finally, I removed the temposwitch argument from yupengMats and reduced the number of mu parameters to 3.

At this point, I get the same issues that you had (all the predictions are the same).

```
load('../music.Rdata')
source('../Beam_Search.R') ## Yupeng's original beam search on some music data
```



This plots our discrete states and his.

yupeng's

This plots our continuous states.

