(1)
$$f_2 = \{m: R > R_{20}\}$$
 $m(n) = C g_2(\frac{m-a}{2})$ with $a_1b_1c > 0$

and $g_2 = dencity with mean $O_1 \leq d_1\}$
 $m_i(n) = C_i g_2(\frac{m-a_i}{b_i})$ the f_2 .

$$\int_{\infty}^{a} m_i(n) dn = C_i [g_2(\frac{m-a_i}{b_i})] dn$$
 $= C_i \int_{0}^{a} g_2(f) df = C_i \int_{0}^{a} g_2(f) df$
 $= C_i \int_{0}^{a} d_i$

$$\int_{\infty}^{a} m_i(n) dn = C_i \int_{0}^{a} g_2(\frac{m-a_i}{b_i}) dn$$
 $= C_i \int_{0}^{a} d_i$

$$\int_{\infty}^{a} m_i(n) dn = C_i \int_{0}^{a} g_2(\frac{m-a_i}{b_i}) dn$$
 $= C_i \int_{0}^{a} d_i$
 $\int_{\infty}^{a} m_i(n) dn = C_i \int_{0}^{a} g_2(\frac{m-a_i}{b_i}) dn$
 $= C_i \int_{0}^{a} d_i^2 + C_i \int_{0}^{a} d_i^2$$

Define
$$m_i(n) = \frac{m_i(n)}{\int_{-\infty}^{\infty} m_i(v) dv}.$$

$$A_{i} = \int_{-\infty}^{\infty} m m_{i}(n) dn$$

$$A_{i} = \left\{ \int_{-\infty}^{\infty} m m_{i}(n) dn - \left(\int_{-\infty}^{\infty} m m_{i}(n) dn \right)^{2} \right\}^{1/2}$$

$$=:(+)$$

$$C_{i} = \int_{-\infty}^{\infty} m_{i}(n) dn / (+).$$

(2) Define

$$\frac{1}{M_{1}(M)} = \frac{1}{L_{1}} \times \left(\frac{M-\frac{1}{M}}{M}\right) Y_{1} dt$$

$$\left(\frac{1}{M_{2}} \times \frac{1}{M_{2}} \times \frac{1}{M$$

$$M_{i}^{*}(N) = \frac{M_{i}(N)}{\int_{\infty}^{\infty} M_{i}(V) dV}$$

Note That

where we use the approximation (*) to compute the above integral immerically.

Hence, compute

as well as

(which is a proper devity).

Now calculate the (squard) Hollinger distances $\Delta_{ij} = \int \left(\sqrt{P_i(w)} - \sqrt{P_j^*(w)} \right)^2 dw$ and define the dissimilarly measure $D(S,S') = \max_{i \in S, j \in S} \Delta_{ij}$

for S, S' & & 1,-, m}. Rum a HAC algorithm with this oursimilarly measure.