Exercise 2

SDS 385

Ashutosh Singh 0579592

$$= \{ ng_i(\beta) \} = nE \{ g_i(\beta) \}$$

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$$= n \left[\frac{2}{\pi}g_{i}(\beta)P(i=j)\right]$$

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$$= n \left[\frac{1}{\pi}\frac{2}{\pi}g_{i}(\beta)\right] = n \left[\frac{1}{\pi}\nabla L(\beta)\right]$$

$$= E\left[ng_{i}(\beta)\right]$$