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title: "Vizualizing Subsets" author: "Pinak Nayak" output: pdf\_document —:

```
# Data ----
```

```
#Seasons
```

```
Seasons <-
```

```
c("2005", "2006", "2007", "2008", "2009", "2010", "2011", "2012", "2013", "2014")
```

```
#Players
```

```
Players <-
```

```
c("KobeBryant", "JoeJohnson", "LeBronJames", "CarmeloAnthony", "DwightHoward", "ChrisBosh", "ChrisPaul", "KevinDurant", "DerrickRose", "DwayneWade")
```

```
#Minutes Played
```

```
KobeBryant_MP <- c(3277, 3140, 3192, 2960, 2835, 2779, 2232, 3013, 177, 1207)
```

```
JoeJohnson_MP <- c(3340, 2359, 3343, 3124, 2886, 2554, 2127, 2642, 2575, 2791)
```

```
LeBronJames_MP <- c(3361, 3190, 3027, 3054, 2966, 3063, 2326, 2877, 2902, 2493)
```

```
CarmeloAnthony_MP <-
```

```
c(2941, 2486, 2806, 2277, 2634, 2751, 1876, 2482, 2982, 1428)
```

```
DwightHoward_MP <-
```

```
c(3021, 3023, 3088, 2821, 2843, 2935, 2070, 2722, 2396, 1223)
```

```
ChrisBosh_MP <- c(2751, 2658, 2425, 2928, 2526, 2795, 2007, 2454, 2531, 1556)
```

```
ChrisPaul_MP <- c(2808, 2353, 3006, 3002, 1712, 2880, 2181, 2335, 2171, 2857)
```

```
KevinDurant_MP <- c(1255, 1255, 2768, 2885, 3239, 3038, 2546, 3119, 3122, 913)
```

```
DerrickRose_MP <- c(1168, 1168, 1168, 3000, 2871, 3026, 1375, 0, 311, 1530)
```

```
DwayneWade_MP <- c(2892, 1931, 1954, 3048, 2792, 2823, 1625, 2391, 1775, 1971)
```

```
#Matrix
```

```
MinutesPlayed <- rbind(KobeBryant_MP, JoeJohnson_MP, LeBronJames_MP, CarmeloAnthony_MP, DwightHoward_MP, ChrisBosh_MP, ChrisPaul_MP, KevinDurant_MP, DerrickRose_MP, DwayneWade_MP)
```

```
rm(KobeBryant_MP, JoeJohnson_MP, CarmeloAnthony_MP, DwightHoward_MP, ChrisBosh_MP, LeBronJames_MP, ChrisPaul_MP, DerrickRose_MP, DwayneWade_MP, KevinDurant_MP)
```

```
colnames(MinutesPlayed) <- Seasons
```

```
rownames(MinutesPlayed) <- Players
```

```
# Vizualizing Subsets ----
```

```

Data <- MinutesPlayed[1:3,]

matplot(t(Data), type="b", pch=15:18, col=c(1:4,6))
legend("bottomleft", inset=0.01,
legend=Players[1:3],col=c(1:4,6),pch=15:18, horiz=F)

```

