**Franchises**

Merchandise Sales: 350

Special Events: 200

**Goods for Sale**

Merchandise: 500

Service categories: 20

Event types: 1

Total: 521

**Members and customers**

Members: 50000

Corporate customers: (150 customers) \* (200 franchise) = 30000

Total: 80000

**Fact table size (yearly)**

Merchandise purchase: 450000 rows

Service Purchases: 100000 rows

Special Events: (300 Evemts)\*(200 franchise) = 60000

Total: 610000 per year

**Sparsity**

1. - (fact table size/ product of dimensions)

(1 - (610000)/(350\*521\*365\*80000))= 0.99