OM 380.17 Bagchi & Gutierrez
Group Report – 2 (worth 2.5% of your course grade)

Case: Sport Obermeyer

Names of Group Members and Index Numbers

Name (First, Last)	Index Number	Signature
Aditya Chawla	**7**	**Aditya Chawla**
Anvesh Karangula	**19**	**Anvesh Karangula**
Sanyam Jain	**16**	**Sanyam Jain**

***** By signing my name, I am affirming that:**

- **I have read the course syllabus.**
- **I have contributed as expected toward the fulfillment of this assignment.**
- **The work our group is turning in is the work product of our group.**
- **Our group did not get outside help in fulfilling this assignment.**

This report is based on the *Sport Obermeyer* case. Please read the case carefully and answer the questions that follow on the next page. **Your submission must have this page as the cover page. Please submit by the beginning of class on the day the assignment is due.**

(1) In how many different "genders" are Obermeyer products offered?
Answer:
Different genders (5 total) in which Obermeyer products are offered are:

- Men's
- Women's
- Boys'
- Girls'
- Preschoolers'

(2) What is the retail season for skiwear sales in the U.S.? Which are the peak sales months?
Answer:
Retail Season for skiwear sales is between September – January with peak sales occurring in December and January.

(3) What is the total shipment time – from Hong Kong to Denver - for Obermeyer garments?
Answer:
The total shipment time from Hong Kong to Denver is approximately six (6) weeks

(4) Which countries supplied shell fabrics to Obersport?
Answer:
Vendors from the following countries supplied shell fabrics to Obersport:
United States, Japan, Korea, Germany, Austria, Taiwan, Switzerland

(5) How many parkas did Obermeyer produce each year? What is the monthly cutting and sewing capacity available to Obermeyer?
Answer:
Obermeyer produces **200,000** parkas each year. The monthly cutting and sewing capacity available is **30,000** units.

(6) How much profit does Obermeyer make from selling an ISIS parka? How much loss does Obermeyer incur from an unsold ISIS parka?
Answer:
Wholesale Price of ISIS parka = $99
Profit margin = 24%
Loss margin = 8%

Hence,
Profit per sold parka = 0.24*99 = **$23.76**
Loss per unsold parka = 0.08*99 = **$7.92**

(7) What was the total number of SKUs for Obermeyer Women Parkas in 1993-94?
Answer:
Exhibit 3 shows that the total number of SKUs for Obermeyer Women Parkas in 1993-94 was around **700**.

(8) Consider Exhibit 4. If you think of managing the 1993-94 line as a project, how many such projects does Obermeyer have to manage simultaneously?
Answer:
Obermeyer have to manage three (3) projects simultaneously since it is planning for three years at one time.

(9) Consider Exhibit 8. What is the cycle time (in minutes) for the Hong Kong line? What is the cycle time for the China line? What is the weekly output (= number of parkas) per worker for the Hong Kong line? What is the weekly output per worker for the China line?
Answer:
Considering Exhibit 8, we have presumed the following:
A:
No of people per line for Hong Kong = 11 workers
No of people per line for China = 40 workers

B:
Working time per week in Hong Kong = 48 hours = 2880 mins
Working time per week in China = 58.5 hours = 3510 mins

C:
Weekly output in Hong Kong = 19 parkas per worker
Weekly output in China = 12 parkas per worker

Cycle time = B/(A*C)

Hence,
Cycle time for Hong Kong Line = 2880 / (11 * 19) = ~ 13.77 mins
Cycle time for China Line = 3510 / (40 * 12) = ~ 7.31 mins

Weekly output per worker for Hong Kong Line = 19 parkas
Weekly output per worker for China Line = 12 parkas

(10) Consider Exhibit 10. Which style's demand has the highest coefficient of variation? Which style's demand has the lowest coefficient of variation? (Coefficient of variation of a random variable is the ratio of its standard deviation to its mean.)

Answer:

Stephanie style parka's demand has the highest coefficient of variation.
Assault style parka's demand has the lowest coefficient of variation.

Style	mean	stdev	coeff_var
Stephanie	1113	524	0.471
Teri	1100	381	0.346
Anita	3296	1047	0.318
ISIS	1042	323	0.310
Daphne	2383	697	0.292
Gail	1017	194	0.191
Electra	2150	404	0.188
Entice	1358	248	0.183
Seduced	4017	556	0.138
Assault	2525	340	0.135