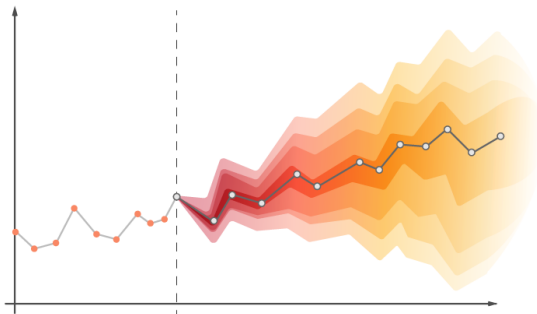


Introduction

DS-5740 Advanced Statistics





You and your group have just survived the crash of a small plane...

Both the pilot and co-pilot were killed in the crash. It is mid-January, and you are in Northern Canada. The daily temperature is $-25^{\circ}F$ (or $-32^{\circ}C$) and the night time temperature is $-40^{\circ}F$ (or $-40^{\circ}C$). There is snow on the ground, and the countryside is wooded with several creeks criss-crossing the area. The nearest town is 20 miles away. You are all dressed in city clothes appropriate for a business meeting.

Your group of survivors managed to salvage the following items:

- a ball of steel wool
- a small ax
- a loaded .45-caliber pistol
- can of Crisco shortening
- newspapers (one per person)
- cigarette lighter (without fluid)
- extra shirt and pants for each survivor
- 20 × 20 ft. piece of heavy-duty canvas
- a sectional air map made of plastic
- one quart of 100-proof whiskey
- a compass
- family-size chocolate bars (one per person)

Rank the items according to their importance to your survival, starting with **1** for the most important item to **12** for the least important. Work quickly, alone, and *don't* discuss the problem with anyone in your group. Record your rankings in the scoring table down column A labeled **Individual Ranking**.

In your group, share your top **three** most important items and explain why you think each item is important. As a group, discuss what items are most critical for survival. You should try to come to a consensus as the more everyone agrees, the more likely you and your group will survive. Once there is a consensus, record the group rankings in the scoring table down column B labeled **Group Ranking**.

- | | | |
|-------------------------------------------------|-----------------------------------------------------|----------------------------------------------|
| 1 cigarette lighter
(without fluid) | 5 20 × 20 ft.
piece of
heavy-duty
canvas | 9 a loaded
.45-caliber pistol |
| 2 a ball of steel
wool | 6 a small ax | 10 one quart of
100-proof
whiskey |
| 3 extra shirt and
pants for each
survivor | 7 family-size
chocolate bars
(one per person) | 11 a compass |
| 4 can of Crisco
shortening | 8 newspapers
(one per person) | 12 a sectional air
map made of
plastic |

Individual Accuracy: $|A - C|$

Group Accuracy: $|B - C|$

Influence: $|A - B|$

- 0-12: Great survival skills – rescued!
- 13-24: Above average survival skills – rescued!
- 25-36: Frostbit, hungry, and tired – rescued!
- 37-48: Dehydrated and barely alive – it was tough, but rescued!
- 49-60: Rescued, but only just in time! Lost a few toes.
- 61-72: Sorry, only scraps of your clothing were recovered months after the search was called off.