BPCC 104

BACHELOR'S OF ARTS

PSYCHOLOGY Hons. PROGRAMME (BAPCH)

ASSIGNMENT 2020

COURSE CODE: BPCC 104

STATISTICAL METHODS FOR PSYCHOLOGICAL RESEARCH- I

SCHOOL OF SOCIAL SCIENCES
INDIRA GANDHI NATIONAL OPEN UNIVERSITY
MAIDAN GARHI, NEW DELHI-68

Dear Learner,

As we have informed you in the Programme Guide, evaluation at IGNOU consists of two parts: i) continuous evaluation through assignments, and ii) term-end examination. In the final result, assignments of a Course will carry 30% weightage while 70% weightage is given for term-end examination (total 100 marks).

BPCC 104 is a 6 credits course (4 credits theory + 2 credits tutorial). Assignment for BPCC 104 has two parts, Part A & B.

Part A consists of Assignment one and Assignment two. Assignment One has Descriptive Category Questions (DCQs). These are meant for writing essay type answers, with an introduction and a conclusion. These are intended to test your ability to describe your understanding/knowledge about the topic in a systematic, and in a coherent manner.

Assignment Two has Short Category Questions (SCQs). These questions are meant to improve your skill of recall in brief the relevant and precise information about concepts and processes.

Part B has Tutorial component in which you need to complete activities as instructed.

Before you attempt the assignments, please read the instructions carefully provided in the Programme Guide. It is important that you write the answers to all the TMA questions in **your own words.** Your answers should be according to the word-limit set for a particular section. Remember, writing answers to assignment questions will improve your writing skill and sharpen your understanding of the concepts. It will also help you prepare for the term-end examination.

Submission

This assignment is for students enrolled for January 2020. It should submitted by 31st October 2020.

* You need to submit the assignments within the stipulated time for being eligible to appear in the term-end examination.

Please obtain a receipt from the study centre for the assignments submitted and retain it. Also keep a photocopy of the assignments with you. The Study Centre will return the assignments to you after they are evaluated. The completed assignment should be sent only to the Coordinator of the Study Centre allotted to you.

Following instructions are to be carefully followed before writing the assignments:

1. You will find it useful to keep the following points in mind:
    i. **Planning:** Read the assignments carefully. Go through the Units on which they are based. Make some points regarding each question and then re-arrange these in a logical order.

ii. **Organisation:** Read the study material carefully, analyze it, and then prepare a rough outline of your answer. Give adequate attention to your introduction and conclusion. Make sure that your answer:

    a)   is logical and coherent;

    b)   has clear connections between sentences and paragraphs;

    c)   is written correctly giving adequate consideration to your expression, style and presentation

iii. **Presentation:** Once you are satisfied with your answers, you can write down the final version for submission. Write each answer neatly with proper spacing, and underline the points you wish to emphasize. Make sure that the answer is around the suggested word limit.

2. Use sA4 size ruled paper for your response and tie all the pages carefully. Allow a 4 cm margin on the left and leave some space between each answer. This will facilitate the evaluator to write useful comments in the margin at appropriate places.

3. *Answers should be in your own handwriting.* Do not print or type the answers. Do not copy your answers from the study material sent to you by the University or from other learners. If you copy, you will get zero marks for the respective question.

4. You need to attach a copy of the TMA with the completed assignment before submitting it.

5. In case you have requested for a change of Study Centre, you should submit your Tutor Marked Assignments only to the original Study Centre until the change of Study Centre is notified by the University.

6. If you find that there is any factual error in evaluation of your assignments, e.g., any portion of assignment response has not been evaluated or total of score recorded on assignment response is in correct, you should approach the coordinator of your study center for correction and transmission of correct score to headquarters.

Wish you all the best!

Discipline of Psychology
SOSS, IGNOU, New Delhi

STATISTICAL METHODS FOR PSYCHOLOGICAL RESEARCH- I (BPCC 104)

Tutor Marked Assignments (TMA)

NOTE: All assignments are compulsory.

Instructions:
1. Have a title page. Include details like Name, Enrolment number, Email id, Regional Centre, Study Centre, Programme Title and code, Course title and code and Tutorial code.
2. Use A4 size paper for the tutorial (ruled/ bank).
3. For making tables, blank pages can be used and tables/ graphs (if any) to be drawn in pencil.
4. Content should not be plagiarised.

Part A
Assignment One

Answer the following questions in about 500 words each (wherever applicable).
Each question carries 20 marks.

$2 \times 20 = 40$

1.   Define and discuss the basic concepts in Statistics.

2.   What os linear correlation? Compute Pearson Product Moment Correlation for the following data:

Individuals	A	B	C	D	E	F	G	H	I	J
Scores on Emotional Intelligence scale	23	24	45	32	33	31	20	17	19	10
Scores on Achievement Motivation Scale	21	22	43	36	37	30	21	19	20	8

Assignment Two

Answer the following questions in about 100 words each (wherever applicable).
Each question carries 5 marks.

$$6 \times 5 = 30$$

3.   Explain hypothesis testing.

4.   Compute mean, medina and mode for the following data

34	44	54	45	54	33	23	34	33	33

5.   Discuss bar graph with the help of a diagram.

6.   Compute standard deviation for the following data.

21	12	23	12	14	15	16	19	20	25

7.   Describe the uses and limitations of correlation.

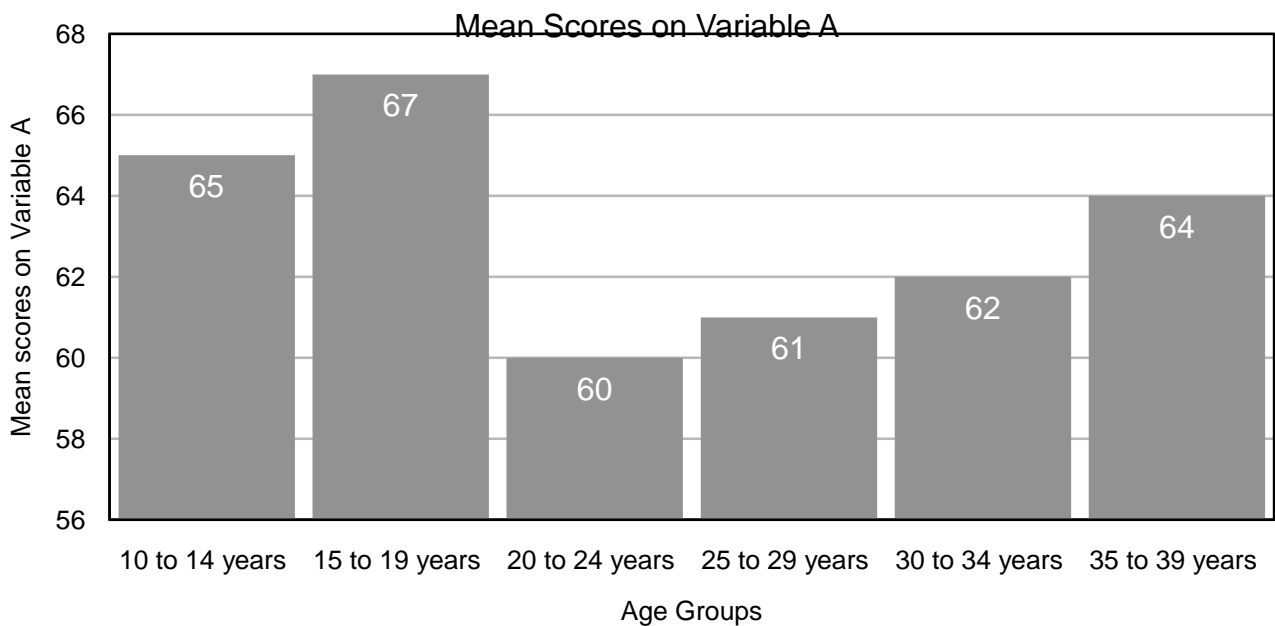8.   Describe the properties of Normal Distribution Curve.

Note: You need to complete the activity as instructed.All the activities are compulsory.

Instructions:
1. Have a title page. Include details like Name, Enrolment number, Email id, Regional Centre, Study Centre, Programme Title and code, Course title and code and Tutorial code.
2. Use A4 size paper for the tutorial (ruled/ bank).
3. For making tables, blank pages can be used and tables/ graphs (if any) to be drawn in pencil.
4. Content should not be plagiarised.
5. Tutorial should be handwritten.

Activity 1: Look at the graph given below and answer the given questions. **Marks 10**

Mean Scores on Variable A

a) What type of graph is this?

b) What do Y axis and X axis represent?

c) What is the class interval of the age groups taken?

d) What is the method used for class interval?

e) Which category has highest mean scores on variable A?

f) Which category has lowest mean scores on variable A?

g) How many categories (age groups) have obtained mean scores on Variable A below 64 ?

h) How many categories (age groups) have obtained mean scored on Variable A above 63?

i) Mean score of 61 has been obtained by which category (age group)?

j) Mean score of 56 has been obtained by which category (age group)?

Activity 2: Collect data from 30 employed individuals by asking them age at which they joined their first job. For the obtained data compute mean, median, mode and standard deviation. Tabulate the raw data and show the calculations with the help of formulae discussed in the course material of BPCC104.

10 Marks

Activity 3: Take any one unit of your choice from BPCC104 and write a review of the same in about 1000 words. The review needs to be in your own words and should cover the important aspects of the unit. 10 Marks

ALL THE BEST