Training in Data Processing using Smart PLS Software

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Abstract: officers¹ limitations in their analysis of data at the population and civil registry service in Bandung. The majority of these issues are brought on by the apparatus's lack of knowledge and skill as well as the sparse availability of computers. The sub-district office does not have adequate data storage, and data management and display are not supported by technology. Implementation strategy using coaching and training. The instruction offered takes the form of fundamental knowledge on how to show district population data using Smart PLS. Its operations include instruction and support for using the Smart PLS application in the Cipadung Village to present and process data. To determine how well the trainees understood how to use the Smart PLS program, interviews and questionnaires were administered as part of the service. The customer assistance team provides clear and comprehensive explanations of the data display. The use of this Smart PLS software aids Kelurahan staff in comprehending and processing data. It is beneficial to sub-district authorities in their work with the taught apps.

Keywords: assistance, factor, delay, construction, bridge


Kata kunci: bantuan, faktor, tundaan, konstruksi, jembatan
INTRODUCTION

One of the sub-districts of Bandung City's Cibiru District is the Cipadung Sub-District. The status, organizational structure, responsibilities, duties, and working methods of the village, where Kelurahan is the operational region of the Lurah as a sub-district apparatus for the City of Bandung, are outlined in Bandung Mayor Regulation Number 93 of 2016. Where a village chief leads a ward, assisted by a number of tools like a secretariat. In accordance with Chapter 6, a secretariat headed by a secretary is in charge of the village chief's responsibilities. A secretary's responsibilities include looking for, gathering, compiling, processing, and data related to the field technical administration ward; preparing policy drafting materials, guidelines, and technical instructions for the field sub-district apparatus; and compiling and presenting statistical data, graphs, or field visualizations device ward. However, based on reality and information present in the village Not yet displayed well. Simple tables that are hard to absorb quickly are used to show new data. Information that was incidentally made characteristic according to need. population of data Deep form charts or table representatives have not yet been served.

The issues that arise with partners are in the administration and display of data for the existing population, in the availability of skilled Human Resources (HR), in the usage of IT, and in the absence of tools like computers. It is crucial to process data in order to make the already-existing data readable. Data processing is available in table and diagram/graph form. It can be simpler to read and understand data when it is presented in table and chart form. In the age of technology, data presentation can now be processed by simple software. Wrong The Statistical Package for the Social Science is one of the software programs that is most frequently used (Ismail, 2019). The Smart PLS is a technique for handling quantitative or statistical data (Zein, 2019; Karhap, 2019). A statistical data processing tool or tool used for interactive or batch statistical analysis is called Smart PLS. German state data analysis operations used statistics for the first time in 2019 (Achen-Wall in Zein). According to Ruru (2019), statistics is the process of gathering data, handling it, analyzing it, and drawing conclusions from it.

Smart PLS is frequently used to process and analyze data because it has the ability to examine statistics and manage systems while displaying environmental graphics. This application is typically only utilized for social sciences, but later versions have been applied for knowledge across many disciplines. Smart PLS is also utilized by researchers in the fields of marketing, health, company surveys, government, education, and others. In addition to
analytical statistics, data management techniques (case selection, file sharpening, and the creation of derived data) and documentation data Smart PLS software foundation functionalities are also included.

Smart PLS offers a number of benefits, including: (1) Smart PLS can recognize and read data in a variety of formats. (2) More information is displayed on the Smart PLS display. (3) Smart PLS data is more precise and provides codes for missing data. (4) The similar grouping was found in the Smart PLS analysis. (5) The Smart PLS displays data as tabular information. (6) Ramadan, 2019 Smart PLS table attribute interactive. Smart PLS have a user-friendly design and an intuitive interface (Hustia, 2021). According to Riyanto and Hasyim (2018), Smart PLS has an accurate data calculation that reduces internal bias in studies.

Activity dedication from draft basic statistics training For data presentation and to introduce the Smart PLS practice program (Banjaitan, 2018). This activity can help device users gain more knowledge, experience, and ideas on how to interact with technology in general and use Smart PLS software in particular. (In February 2020).

METHOD

The Lurah Office Cipadung is where community service projects are implemented. All village officials who are seated in the Cipadung Lurah Office and have access to the module titled "System Method Presentation Data Use Software Smart PLS" were given instructions on how to carry out this activity. After training is complete, it is anticipated that every employee would be able to process data that has been arranged and presented in a professional manner. The following are the stages of implementation activities:

1. Use the Smart PLS program to compile the module presentation data.
2. Provide training and mentorship to participants, mainly the staff of the office of the village head in the Cipadung district of Bandung.
3. Keep an eye on the presentation data population expediency software.

The Smart PLS program is implemented utilizing the direct learning method, which involves assisting and instructing users on how to use it. The tool that is used to evaluate training programs includes an interview and a questionnaire. Instrument questionnaire In light of what has been observed thus far, training that supports employees' performance and method interviews as method supporters For informational purposes, training, and assistance Work in the Cipadung office.
DISCUSSION

The incorrect program is called Smart PLS. It is meant to do quick and accurate statistical analyses, the output of which can take many different forms and be utilized for a variety of purposes. Statistics can be seen as an activity that aims to gather data, summarize it or display it, then analyze it using specific methodologies and interpret the findings. Knowledge Numerous fields, including economics, journalism, psychology, and others, use these statistics. For instance, statistics in the discipline of management science can be used to aid in decision-making on a specific issue. The technology that is frequently used in counting statistics is Smart PLS data processing. This Smart PLS data processing tool has been used to solve problems in a variety of fields, including market research, quality control and repair, and scientific investigation. Input, processing, graphing, and data analysis can all be facilitated by the village officials utilizing the Smart PLS application.

Before training with the Smart PLS program is conducted, a number of things must be prepared in order to get the best results.

1. The supervisor ward has provided overhead projectors and layers as equipment.
2. Participants should bring computers and writing instruments.
4. The Smart PLS program is ready to be installed on the participant's computing device.

In this module, you will learn how to install Smart PLS, how to use its icons and tools, how to input data, and how to present it in various types of charts using Smart PLS.

Ward devotional activities The Community Service Team from the UPGRISBA Mathematics Education Study Program served as the resource person for the opening of Cipadung's introduction of the Smart PLS. then carry out the Smart PLS application installation on the same computer that is located at the municipal office. Participants in the mathematics education study program install on their individual devices under the direction of the lecturer. The module's guide makes the procedure simpler. This is due to the fact that the modules are simple to understand and the processes are fully documented, as seen in Picture 1.
Following the instructions in Figure 2 for using the software, participants will process data in accordance with the following steps:

1. Launch the Smart PLS program enable variables view after that.
2. Adjustable Settings; Enter all the data to be processed. Inputs data, especially historically Variable The View is specifically pre-set with the variable's name to be processed under the name, after which the settings for each column are completed.
3. Enter data; Entering data is done in the "data view," which may be accessed by clicking on it and then entering data (which can include data from Excel).
4. Data processing; Retrieve the data from the tool analysis - description - frequency to process it as necessary.
5. Data visualization using histograms, pie charts, polygons, and other visuals.
6. Application data processing will make use of currently available data.

Employees of the Cipadung sub-district participated in the training during the PPM activities with a lot of enthusiasm. This. Using a semi-structured direct interview with five employees, information about the activity was gathered. This is sufficiently clear, simple to understand, and can make complex data processing simple.

The amount of questions asked to the presenters during the activity shows how excited
the attendees were to take part in the training. Participants were instructed to apply the pre-existing data in the kelurahan after receiving instruction in using Smart PLS and comprehending every step of the program. To make it easier for participants to handle data and conduct analyses in order to make decisions as village employees.

After taking part in the service provided by Cipadung village authorities, completing open questionnaires, and conducting interviews with Cipadung Lurah office staff members, it was learned that the village chief was already capable of serving data with the use of the Smart PLS program. They directly apply this knowledge to their job in data presentation, such as when they provide linked demographic data, voter data for Cipadung Village people during elections, cooperative data that is under Cipadung Village management, and so forth. Along with the several suggestions the head of the lurah has for presenting the data already available in the work program for Cipadung Village, the head village chief enthusiastically requests manpower For compile And serve some data they have. The employees in the Cipadung Lurah office were particularly interested in using the Smart PLS app, as evidenced by the number of questions they frequently asked about how to convey the data they already had. When presenting facts, they are much more useful than simple guides in doing so.

The village chief and employees make it known that the information will be sufficiently clear and understandable. The customer assistance team provides clear and comprehensive explanations of the data display. In order to make using this Smart PLS program for the village chief to understand and process data simple. In their job with the application that taught them this, they feel incredibly helpful. They admit that Smart PLS software speeds up their work. They can use the Smart PLS application in the future thanks to this as a foundation.

CONCLUSION

The dedication demonstrated in the Cipadung Lurah Office, according to the service's judgment, was very beneficial for village head office staff members who presented data using the Smart PLS program. Their effort in presenting all the data they have can be aided by the Smart PLS program. The Smart PLS app speeds up work and is simple to use.

Suggestion which devotionally given This is done so they may use Smart PLS to analyze their data more thoroughly than they now are able to and not just to help present it. As anticipated, there has been increased dedication at both the Cipadung Lurah Office and the other Lurah Office.
DAFTAR PUSTAKA


Training in Data Processing using Smart PLS Software


Yuliyani, L. Kajian Pendekatan Winsor untuk Penanganan Pencilan pada Model Linier Campuran (Doctoral dissertation, Bogor Agricultural University (IPB)).

Yuliyani, L. Penerapan Regresi Komponen Utama Kekar dan Regresi Kuadrat Terkecil Parsial Kekar dalam Pemodelan Kalibrasi Multiresponse Kayu Jati.

Yunita, W., Yuliyani, L., & Situmorang, K. Konsumsi Ikan Mentah Yang Kaya Akan Phenylalanine hydroxylase Untuk Mengurangi Tingkat Stres Pada Masyarakat Dalam Rangka Meningkatkan Kualitas SDM.


