

12-20-2023

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### Recommended Citation

Groves, David L. and Munger, Kathleen (2023) "RVing Data: A Review," *Visions in Leisure and Business*: Vol. 25: No. 2, Article 11.

DOI: <https://doi.org/10.25035/visions.25.02.11>

Available at: <https://scholarworks.bgsu.edu/visions/vol25/iss2/11>

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**RVING DATA: A REVIEW**

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## **ABSTRACT**

There is a plethora of data about RVing. This data is analyzed, and many from manufacturers to marketing specialist, use the data to make critical decisions. Most of the data analysis does not provide extensive information on the different RVing segments. This type of in depth information is needed because the various segments are quite different and the critical elements that influence their decision is quite different.

**Key Words:** RV Data Analysis, Data Types, Decision Theory, Statistical Analysis of RVing

## **INTRODUCTION**

The Recreation Vehicle Industrial Association offers a wealth of data pertaining to the RV industry. In addition, numerous private manufacturers have established their own data sources as well. This data serves as the foundation for segmentation, which is crucial given that RV enthusiasts consist of diverse consumer types. Understanding this classification within the industry is imperative, as it allows for a better comprehension of consumers' preferences and

requirements. By addressing these elements effectively, customer satisfaction can be achieved and demand can be generated.

**Example segmentation from Recreation Vehicle Industrial Association:**

What are the similarities and differences among RVing segments identified? Statistical Method that could be used to form groups: Hierarchical Cluster Analysis.

Towables

The towable audiences can be segmented into further groupings.

What are these groupings?

What are the characteristics of each group?

What are their desires and requirements in regard to RVs?

How and why does each subgroup make their decisions?

Statistical Method that could be used to understand individuals decisions in the group: Decision Tree Analysis.

Travel Trailers - 5th Wheel

Same statements and questions as under the towable category.

### Folding Camping Trailers

Same statements and questions as under the towable category.

### Truck Campers

Same statements and questions as under the towable category.

### Motorhomes

Same statements and questions as under the towable category.

### Conventional (Type A)

Same statements and questions as under the towable category.

### Van Campers (Type B)

Same statements and questions as under the towable category.

Mini (Type C)

Same statements and questions as under the towable category.

Data, like any other form of information, requires interpretation. The key is understanding the factors that influence and cause variations in the data. By answering this question, industries can make informed decisions that benefit all stakeholders, from manufacturers to consumers. It is crucial to integrate this interpretation into the decision-making process.

For instance, external factors such as Covid-19 or economic conditions can significantly impact demand. The Recreation Vehicle Industrial Association's numbers reflect these influences and diversities. Individuals with extensive experience and knowledge of causal elements have valuable insights into what may be driving demand. Additionally, the popularity of RVing serves as a reflection of societal acceptance and its role as a social institution. Popular culture elements play a significant role in shaping people's desires and preferences toward RVing, whether positively or negatively.

## **DATA TYPES**

The data provided by the Recreation Vehicle Industrial Association is in raw form, limiting the analysis to descriptive comparisons. However, these comparisons offer valuable insights into

how the industry has evolved over time. Such information is crucial for conducting trend analyses and identifying growth areas and rates. It is important to note that the Association conducts further statistical analysis to provide detailed reports to its members. This statistical analysis provides a more accurate understanding of potential influences when compared with demographic information alone. The challenge lies in understanding how each segment of the RVing responds to psychographic data. Nevertheless, by leveraging demographic information and analyzing it in relation to trends, each audience segment can be divided into sub-audiences for better insights. By thoroughly studying these demographic factors, especially within a time frame conducive, professionals can uncover their potential influence on market trends.

This type of information serves as a foundation for further analysis, particularly in relation to various forms of psychographic data. Through this type of analysis, demographic and psychographic data can be developed to provide a comprehensive understanding of the different segments within the RV industry's audience. The majority of quantitative analysis currently pertains to predicting demand and future sales. These equations rely on variables that hold consistent meaning and significance in order to establish a highly correlated equation. Furthermore, these equations often necessitate updates based on different trends and seasonal factors. Statistical analysis also allows for the identification of causal variables and aids in understanding change and its influencing factors. Although challenging, this type of analysis aims to address the question of why certain changes occur.

## **Example Instruments**

The following is traditional type of Instrument. It seeks to answer general questions that are descriptive.

### **RV Instrument Descriptive Approach**

#### **Demographics**

How long have you been RVing?

Age

#### **Experiences and influences**

How did you get started RVing?

Who has influenced your interest in RVing?

How has RVing influenced you and your family?

What is the best part of RVing?

What would you like to change in the RVing experience?

What do other RVrs do that drives you crazy?

What has been your best experience in RVing?

What has been your worst experience in RVing?

As you get older how will this influence are RVing?

How have your views on camping changed over the last 10-20 years?

How long will you continue in RVing?

Have you ever considered full time RVing?

As you have continued in RVing what do you get out of it?

## **Equipment**

What type of RV equipment do you have? Pictures?

Are you satisfied with your equipment? Why? Why not?

Do you have a favorite brand of RV and why?

Do you intend to upgrade your equipment?

What do you look for when purchasing an RV?

What suggestions would you like to give manufacturers?

## **Campgrounds**

What do you look for in a campground?

What type of campground do you prefer (state, national, private....)?

What amenities do you want available when you are RVing?

## **Future**

What influence has RVing had on America?

What is the future of RVing in today's society?

What do you see as the future of RVing/camping?

How do we get new folks into RVing/camping?

### **Decision Theory/Why information/Fish Method**

A number of why questions in an open format can be used to explore the cause-and-effect relationships underlying a specific issue. The natures of the decisions are analyzed to identify causes of the issue being explored. The primary purpose of this technique is to answer the question from a number of different perspectives in order to get a macro understanding.

### **Example why questions related to an issue of a camping tradition**

What is your favorite camping tradition? What do you like most about this tradition? Why is it important?

Is there a favorite location for participation in this tradition? Why is this location important to this tradition?

Is there a special individual who participates with you in this tradition? How and why are these people involved in the performance of this tradition?

Where did you first learn about this tradition? Who taught you the importance of this tradition?

How many years have you been participating in this tradition? Are you teaching your children about this tradition?

Analysis of these type responses will give information about decisions and root causes.

## **SIMULATION**

A different type of analysis is gaming and simulation, which relies on distributions of predictor variables that demonstrates strong regularity and correlation. This particular analysis method has proven to be successful in NASA's operations, as it allows for the formulation of questions in an "if this happens, then this will happen" format. Additionally, industries such as training and gaming also make effective use of this type of analysis.

## **AI**

AI's impact on the RV industry is a crucial question to consider. Currently, AI is widely used in various fields such as graphics and word processors. As a new technology, it requires the development of algorithms to generate independent responses and make decisions based on those algorithms. In the past, supercomputers like Watson were developed to improve decision making. With its remarkable computational capabilities, Watson was hailed as the future of computing. However, even Watson has been surpassed by newer and more powerful computers and programs. This signifies that there is ongoing progress in this field, and can expect further advancements can expect in AI applications in the future for industries like RV. The possibilities are exciting due to its extensive applications and continuous growth.

## **QUALITATIVE ANALYSIS**

An alternative methodology that can be employed is qualitative analysis. This approach involves constructing specific questions to gather information, particularly regarding decision-making processes and providing insights into the "why" behind certain actions. With this type of analysis, interpreting the results and offering a perspective relies heavily on the investigator's judgment. Unlike quantitative methods, qualitative research does not rely on numbers for its outcomes; instead, it centers on individuals sharing their understanding of the issue under study in relation to their unique perspectives. Developing a framework to comprehend the findings,

interpretations, and practical applications of this method is crucial, yet challenging. A clinic approach inspired by medical practice is often adopted by experts with diverse experiences who encounter various cases. In this issue of the Journal, a qualitative methodology was applied through isolating individuals with extensive expertise to provide valuable perspectives. This act marks only the initial stage in creating a conceptual framework aimed at enhancing comprehension and isolating different frames of reference.

### **INTUITION**

Certain individuals possess innate intuition and do not require data or information to identify necessary changes in a system and determine the appropriate course of action. These individuals are remarkable, as they excel at problem-solving and decision-making. However, when faced with highly intricate systems, their performance tends to falter.

### **CONCLUSION**

Information plays a central role in making informed decisions within any industry. The utilization of this information is contingent upon the conceptual framework in which it is constructed. Without a framework, decisions become reliant solely on the discretion of the decision-maker. Those who achieve greater success in utilizing information typically apply it within a structured framework. Ultimately, the crucial question revolves around whether the

decision-maker prefers maintaining the status quo and responding reactively to new situations or adopting a proactive approach towards effecting change. The essence lies in understanding consumer behavior and leveraging information as a catalyst for either system preservation or transformative action. Consequently, decision-making becomes more complex when dealing with disparate segments within an industry.