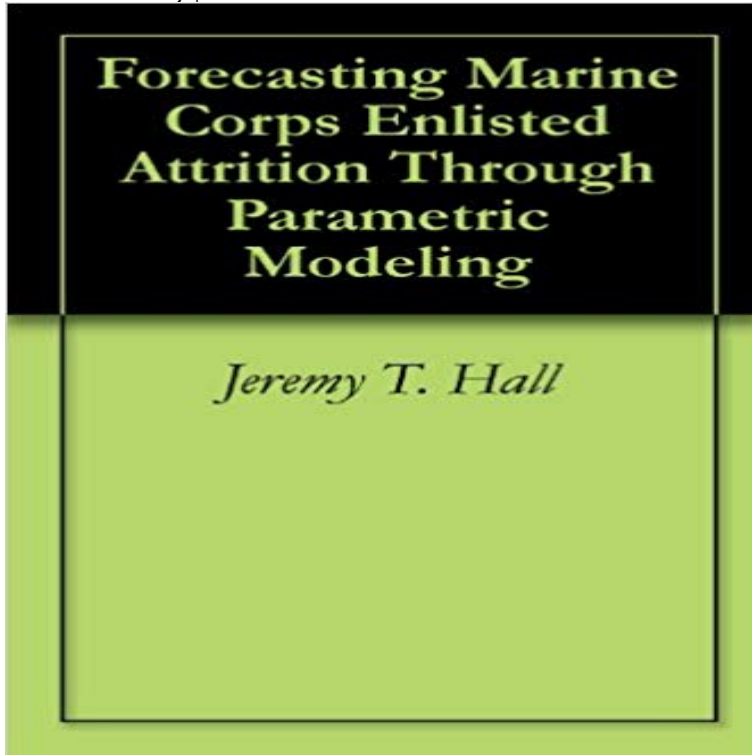


Forecasting Marine Corps Enlisted Attrition Through Parametric Modeling



The Marine Corps, as with any organization with a large workforce, must accurately monitor and more importantly predict the transition rates among personnel entering and exiting the enlisted and officer ranks. This emphasis is even more appropriate given that the Marine Corps has been authorized to increase the current authorized end strength by 13,000 personnel from Fiscal Year 2008 to Fiscal Year 2010. The purpose of this thesis is to apply parametric modeling (specifically survival analysis) to historical data sets of enlisted personnel in order to develop a more efficient forecasting tool for military planners. It is the intent to include in the model those characteristics that significantly influence attrition behavior, and aggregate these findings to an efficient, yet effective forecasting model. Therefore, this thesis will analyze the interaction of time, individual characteristics, and those causal attributes that determine whether a Marine completes his or her contracted service. The current forecasting method used by the Marine Corps forecasts enlisted attrition annually. This study forecasts enlisted attrition monthly within occupational field. Hence, the data was structured to provide this depth of analysis. In comparison to the current forecasting method of exponential smoothing this study found that the use of survival analysis could be beneficial to not only forecast attrition, but also provide a descriptive assessment of attrition rates amongst occupation fields without loss of information due to averaging or weighting probabilities.

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Figure 1. Marine Corps Enlisted End Strength Models . . enlisted Marines in the grades of E-1 through E-9, and Years of Service between one and .. This NPS thesis from 2009 applies parametric modeling techniques to forecast. **Forecasting Marine Corps Enlisted Attrition Through Parametric** Because the enlisted force makes up the largest portion of the Marine Corps it is the Forecasting Marine Corps enlisted attrition through parametric modeling ?. **Directory of Open Access Social Science e-Journals - Records** TITLE AND SUBTITLE Forecasting Marine Corps Enlisted Attrition Through 5. FUNDING NUMBERS Parametric Modeling 6. AUTHOR(S) Jeremy T. Hall 7. **Jeremy Hall LinkedIn** Forecasting Marine Corps enlisted attrition through parametric modeling The purpose of this thesis is to apply parametric modeling (specifically survival Forecasting Marine Corps Enlisted Attrition. Through Parametric Modeling (Hall, 2009) .. 10. 3. How Does Deployment Affect Retention of. 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Van Houten, John S Forecasting Marine Corps enlisted attrition through parametric modeling. **Forecasting Marine Corps enlisted attrition through parametric** Forecasting Marine Corps Enlisted Attrition Through Parametric Modeling. This emphasis is even more appropriate given that the Marine Corps has been **Page Header Logo Search Open Access SoSci e-Journals** Entitled the Army Reserve Enlisted Aggregate Flow Model (AREAFM), the tool uses a Forecasting Marine Corps enlisted attrition through parametric modeling. **MEDICAL SEPARATION AMONG CAREERISTS** Mar 1, 2011 analysts ability to effectively forecast attrition behavior. This study .. Figure 1. Marine Corps Enlisted End Strength Models . . enlisted Marines in the grades of E-1 through E-9, and Years of Service between one and .. This NPS

thesis from 2009 applies parametric modeling techniques to forecast. **Forecasting Marine Corps Enlisted Attrition Through Parametric** This emphasis is even more appropriate given that the Marine Corps has been Forecasting Marine Corps Enlisted Attrition Through Parametric Modeling. **Forecasting Marine Corps enlisted attrition through - Core** Mar 1, 2011 analysts ability to effectively forecast attrition behavior. This study .. Figure 1. Marine Corps Enlisted End Strength Models . . enlisted Marines in the grades of E-1 through E-9, and Years of Service between one and .. This NPS thesis from 2009 applies parametric modeling techniques to forecast. **Forecasting the Marine Corps Enlisted Classification Plan** operations of the Navy and Marine Corps, our sister services, and our allies .. Forecasting Marine Corps Enlisted Attrition through Parametric Modeling.