

## SUMMARY OF MASTER'S DISSERTATION

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Title <b>Development of an Auction Price Estimation Model for Damaged Vehicles</b>			
Abstract <p>The car possession number is increasing one after another in Japan. On the other hand it's the current state that the population of the Japanese decreases. When this flow will also continue from now on, the car which becomes a surplus can imagine overflowing. It's a used car market that an expectation rises in the case. A used car market exists lengthily in Japan. The enterprise which trades by an Internet auction by recent years and exports it to foreign countries as well as the country also appears. The company which treats a used car and handles the damage vehicle to which I contribute big by the environment came also to exist. The, on the other hand a used car and the one which becomes the standard of the price bill to a damage vehicle again don't still exist. The thing sold in dealings in an auction is general at present. Price forecasting to a secondhand car Internet auction was performed by the past study, but it isn't performed about a damage vehicle.</p> <p>The enterprise which deals in a damage vehicle in an Internet auction by this research predicts successful price tendered of a damage vehicle and shows the one which becomes the standard in order to raise the certain profit. A problem structural drawing, a case study and multivariate regression model were employed as a method. I thought a prediction of a value was difficult as a result of the analysis by a problem structural drawing, and it was the cause to depend on the genius person-like judgement too much as the cause which is being done. So I thought it was important to build prediction model and suggest the prediction price. It's predicted by using data of the use situation of the car and a damage point from data in the past specifically.</p> <p>When a prediction was so difficult that the degree of the car was bad by a case study, I set up a hypothesis and went. But the question fact a prediction becomes difficult for which to a good car of the degree in the damage car of the degree knew the reality.</p> <p>And the damage level could build a good model of applying as decision coefficient 0.8 by multivariate regression model to something good of the degree relatively.</p> <p>I'm thinking a price bill could give fixed suggestion to a market as the damage vehicle which wasn't performed from this thing. It's future's problem that a fluctuation of business conditions is being considered because it's different in other time because I dealt with this data focusing on June, 2013 and July as future's problem.</p>			
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