

## Summary

Doctoral dissertation Antifragility in design. The modern luxury product shows an experiment as a key factor in the process of trend development, which enables the design of products, services and experiences with innovative potential. In the thesis I propose a set of tools for designers for forecasting the future, so far used in sociological sciences. It takes into account the theory of antifragility of Nassim Nicholas Taleb, assuming the existence of a division of phenomena into fragile, robust and antifragile. They have specific life cycle thanks to which we can predict how their nature will change over time. As designers we can materialize the ideas, creating a resource of knowledge that can initiate a discussion about a possible and desired future, but also constitute a starting point for conducting further research on the implementation of innovation. The proposed tools have been checked and presented in the form of empirical records, Based on it a speculative proposal was created, constituting the tangible effect of theoretical considerations and being a pre- implementation stage.