

Experimental Design: Participant Tasks, Testing Environment, and Experimental Conditions

Participant	Task	Testing environment	Experimental conditions			
			Condition order	Temperature	Noise	Time
Participant 1	Full Kitting	Industrial laboratory	1	Not hot	Without noise	Overestimated
			2	Not hot	Without noise	Estimated
			3	Not hot	Without noise	Underestimated
			4	Not hot	With noise	Overestimated
			5	Not hot	With noise	Estimated
			6	Not hot	With noise	Underestimated
			7	Hot	Without noise	Overestimated
			8	Hot	Without noise	Estimated
			9	Hot	Without noise	Underestimated
			10	Hot	With noise	Overestimated
			11	Hot	With noise	Estimated
			12	Hot	With noise	Underestimated
Participant 2	Full Kitting	Industrial laboratory	1	Not hot	Without noise	Overestimated
			2	Not hot	Without noise	Estimated
			3	Not hot	Without noise	Underestimated
			4	Not hot	With noise	Overestimated
			5	Not hot	With noise	Estimated
			6	Not hot	With noise	Underestimated
			7	Hot	Without noise	Overestimated
			8	Hot	Without noise	Estimated
			9	Hot	Without noise	Underestimated
			10	Hot	With noise	Overestimated
			11	Hot	With noise	Estimated
			12	Hot	With noise	Underestimated
Participant 3	Component quality control	Industrial laboratory	1	Not hot	Without noise	Overestimated
			2	Not hot	Without noise	Estimated
			3	Not hot	Without noise	Underestimated
			4	Not hot	With noise	Overestimated
			5	Not hot	With noise	Estimated
			6	Not hot	With noise	Underestimated
			7	Hot	Without noise	Overestimated
			8	Hot	Without noise	Estimated
			9	Hot	Without noise	Underestimated
			10	Hot	With noise	Overestimated
			11	Hot	With noise	Estimated
			12	Hot	With noise	Underestimated
Participant 4		Industrial laboratory	1	Not hot	Without noise	Overestimated

Component quality control			2	Not hot	Without noise	Estimated
			3	Not hot	Without noise	Underestimated
			4	Not hot	With noise	Overestimated
			5	Not hot	With noise	Estimated
			6	Not hot	With noise	Underestimated
			7	Hot	Without noise	Overestimated
			8	Hot	Without noise	Estimated
			9	Hot	Without noise	Underestimated
			10	Hot	With noise	Overestimated
			11	Hot	With noise	Estimated
			12	Hot	With noise	Underestimated
Participant 5	Assembly	Real industrial environment	-	18°C	With real industrial noise in the background: the participants wore earplugs for noise protection	No duration constraints
Participant 6	Product quality monitoring	Real industrial environment	-	18°C	With real industrial noise in the background: the participants wore earplugs for noise protection	No duration constraints
Participant 7	Product quality monitoring	Real industrial environment	-	18°C	With real industrial noise in the background: the participants wore earplugs for noise protection	No duration constraints