

	Institutional research (led by professional scientists at universities, government institutes, etc.)			Non- institutional research
Subject being studied	Humans	Humans	Not humans	All subjects
Crowds involved as researchers	No (Not covered in this book)	Yes	Yes	Yes
Examples	<ul style="list-style-type: none"> • Human subjects respond to survey • Human subjects submit own blood/DNA samples 	<ul style="list-style-type: none"> • Crowd members report social behavior of others • Crowd members process and analyze MRI images of children 	<ul style="list-style-type: none"> • Crowd members collect water quality data • Crowd members process images of galaxies 	<ul style="list-style-type: none"> • Local residents monitor biodiversity • Patients collect and analyze data on their own diseases and treatments
Recommendations	<ul style="list-style-type: none"> • Follow traditional Institutional Review Board (IRB) process 	<ul style="list-style-type: none"> • Follow traditional IRB process for human subjects part • Check with IRB regarding crowd involvement • Get informed consent from crowd members • Limit collection of personal data; let crowd members decide how data are used and disclosed 	<ul style="list-style-type: none"> • Check with IRB regarding crowd involvement • Get informed consent from crowd members • Limit collection of personal data. Let crowd members decide how data are used and disclosed 	<ul style="list-style-type: none"> • Get informed consent from crowd members • Limit collection of personal data; let crowd members decide how data are used and disclosed • Try to get access to IRB to get feedback or approval