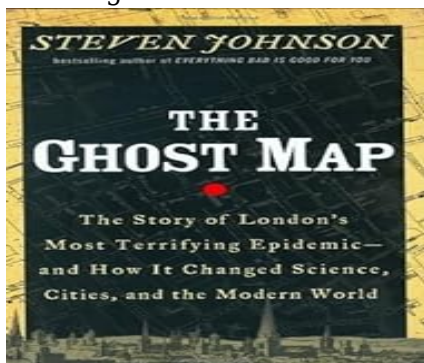


The Ghost Map: The Story of London's Most Terrifying Epidemic—and How It Changed Science, Cities, and the Modern World By Steven Johnson **The ghost map book** and the last fifty were uhhh i think i'm just going to skip this i'm here for plagues and infectious disease not self-indulgent waxing romantic on the future of the city as a concept?????but still. **The ghost map audiobook** bottom line: i guess i like historical nonfiction sometimes?? who knew!!!! English This is an account of the 1854 cholera epidemic in London and of the work of John Snow who through his scientific investigations managed to establish that cholera was waterborne and that the source of this outbreak was the Broad Street pump. **The Ghost Map nonfiction writing** This book is an attempt to tell the story in a way that does justice to the multiple scales of existence that helped bring it about: from the invisible kingdom of microscopic bacteria to the tragedy and courage and camaraderie of individual lives to the cultural realm of ideas and ideologies all the way up to the sprawling metropolis of London itself. **The Ghost Map science experiment** Before the investigative work of John Snow a respected doctor and inventor of ether and Henry Whitehead a pastor deeply concerned about the mounting deaths among his parishioners this miasma theory was prevalent. **Book the ghost writer by martin van helden** English From Steven Johnson the dynamic thinker routinely compared to James Gleick Dava Sobel and Malcolm Gladwell The Ghost Map is a riveting page-turner about a real-life historical hero Dr. **Book the ghost writer by martin van helden** But lacking the infrastructure—garbage removal clean water sewers—necessary to support its rapidly expanding population the city has become the perfect breeding ground for a terrifying disease no one knows how to cure. **Ghost recon wildlands map pdf** In a triumph of multidisciplinary thinking Johnson illuminates the intertwined histories and inter-connectedness of the spread of disease contagion theory the rise of cities and the nature of scientific inquiry offering both a riveting history and a powerful explanation of how it has shaped the world we live in. **The ghost map audiobook** The Ghost Map: The Story of London's Most Terrifying Epidemic—and How It Changed Science Cities and the Modern World



I read The Ghost Map: The Story of London's Most Terrifying Epidemic—and How It Changed Science Cities and the Modern World because I wanted to learn more about a story I thought I knew. **Book the ghost writer by martin van helden** John Snow made a revolutionary map of the mortality was like “Holy crap! The deaths all radiate out from this one pump!” and removed the pump handle thus halting the epidemic dead in its tracks. **Book the ghost at the feast** Were all of them woven seamlessly together into one multifaceted but logically coherent narrative? Well no actually and I found myself in a constant whiplash between fascination and frustration throughout the book. **Ghost map book** Analysis of social forces working in science? Why yes please! This cholera epidemic struck before widespread acceptance of germ theory so most people thought that it (and other diseases) was caused by smelly miasma interacting with poor people’s conveniently innate weakness and inferiority and stuff. **EPub The Ghost maple** Several years before the Broad Street epidemic John Snow developed an alternate water-borne theory of cholera transmission and evidence provided by this epidemic started tipping the scales in its favor. **The ghost map book review** Johnson covers the Kuhnian paradigm shift from miasma to water: the circumstances that gave miasma such legs how in the grip of the miasma paradigm some folks designed a massive study of this epidemic that could only uncover evidence to support that paradigm and missed what was actually going on by like ten miles (and you know we’re totally doing this today but about what??)

who changed their minds (most people eventually) who didn't (some diehard folks who didn't have even a nodding acquaintance with falsifiability) and why. **The ghost map reflection** (Did you know that Florence Nightingale was a committed miasmatisist? I didn't!) I wouldn't have minded a small acknowledgement that some diseases are truly airborne so the miasma crowd was not as off-the-deep-end as herein presented but that's a teeny quibble. **The ghost map pdf** Well the book and I got off on the wrong foot when he started with all that anthropomorphic language to describe the evolution of the cholera pathogen: the bacteria were "waiting patiently" had "strategies" and "desires. **The Ghost Map science experiment** Dude! You're a nonfiction writer! Taking complicated concepts and making them understandable is your job! Why would you tell us evolution is crucial to the story tell us you're explaining it wrong then never actually explain natural selection exactly right? I didn't get that at all. **The Ghost Map science experiment** Yes you can find all the maps in the John Snow online archive but of the seven pages of maps in here why are they mostly copies of the same map seemingly included for decorative purposes? Why? Why?? 6. **Book the ghost and mrs muir** However I feel like he could have dealt with it with a few swift paragraphs demonstrating the importance of urban conditions for disease emergence and why the scale of John Snow's investigations mattered and moved on already. **The ghost map book** The book closes with a 25-page epilogue of not-too-convincingly-supported hand-waving about suitcase bombs bioterrorism avian flu and urbanization that even now has my eyebrows in a pucker over what the heck so much of it was doing in there. **Science The Ghost maps** If he really wanted to put an original stamp on the book (which after 25 pages of this jive I'm pretty convinced he did) perhaps axing 99% of the epilogue and generating some new maps would have been a far more relevant way to go. **The ghost map reflection** How awesome would it be to see maps showing deaths over time maps with different variables maps of Snow's data made using modern epidemiological techniques maps of other London cholera epidemics etc. **Book the ghost writer by martin van helden** Johnson explains that a key question in the development of civilization has always been What are we going to do with all this shit? This book dramatically improved my vocabulary regarding topics related to 1850s London. **The ghost map reflection** For instance:miasmatisist: someone who believes that bad-smelling air rather than germs or bacteria cause disease (Florence Nightingale was a miasmatisist)pure-finder: someone who finds dogshit and sells it to tanners to use in the leathermaking processtoshers: trash-pickersmudlarks: children who scavenge junk that toshers don't wantscavenger classes: pure-finders toshers mudlarks and others in the recycling businessrice-water stool: don't askJohnson's previous books have been about how the mind works so Ghost Map is really more about how people map information and adapt to innovations than it is a straightforward history of a particular epidemic. **Book the ghost and mrs muir** Loved all the extraneous information how tea helped with the lessening of certain diseases why the flow of the Chicago River was reversed and info on why these diseases flourished in the first place and of how with current conditions in some third world country it will happen again. **Ebook ghostwriting rates** English By turns thought-provoking and irritating The Ghost Map meanders from its central story -- how an unorthodox physician found the source of a cholera epidemic that swept through London in 1854 -- into a host of other issues. **Book the ghost at the feast** Expecting a more straightforward account of the unraveling of this medical mystery I set this book aside twice in frustration bored with the author's tendency to stretch out the narrative and particularly his repeated examination of the hold the miasma paradigm had upon medical minds in the mid nineteenth century. **The Ghost Map science experiment** His lengthy discussion of the bureaucratic obstacles faced by John Snow the physician who linked cholera with contamination of drinking water with sewage begins to wear thin about half-way through the book. **The ghost map reflection** The Ghost Map certainly starts promisingly enough with a description of Victorian London's hitherto unheralded recyclers - the night-soil men mudlarks rag-gatherers bone-pickers and others who made a living scavenging in London's streets rivers and sewers. **Book the ghost at the feast** This is fascinating stuff -- who knew for example that such a person as a pure finder (dealer in dog shit or pure which was used by tanners) existed? In this Dickensian world an astonishing diverse array of second- (or third-) class

citizens eked out a living on the margins. **The Ghost Map nonfiction pdf** It's not quite so interesting for example to read (at length) of John Snow's battles with pig-headed authorities who are blind to the obvious link that Snow establishes between one particular source of contaminated water and the cholera epidemic. **Book the ghost writer shadows of the past** It made me think ultimately that this book would have made two excellent books -- one the tale of the cholera epidemic and the other of the social consequences of the rise of cities. **The ghost map book review** It doesn't really matter if the host dies soon because millions of new little cholera bacteria rush out of the host with the excreta waiting for the next person to ingest some excrement. **Ebook ghostwriting companies** Well you're right all homo sapiens have a predisposition NOT to do just that but given the rise of cities the closeness with which we live the relative ease of transportation and the total misunderstanding of basic sanitation that existed until the 20th century it was inevitable that the little buggers would escape their original habitat along the Ganges River. **The ghost map book summary** Drinking water could be quite hazardous but drinking beer and other alcoholic drinks had survival value from a natural selection standpoint because the fermentation process and alcohol killed off many harmful bacteria. **The Ghost Map science experiment** Since alcohol is a poison and ill-tolerated by many the speculation is that as agriculture and cities began to predominate those who could tolerate alcohol better than others survived to reproduction age. **Book the ghost and mrs muir** In another of those little actions that are intended to benefit but which have unintended consequences the change in use of sewers in London inadvertently laid the groundwork (pun intended) for the cholera epidemic. **The Ghost Map science experiment** As the population increased waste accumulated and the aroma of piles of excrement in basements and elsewhere gave the miasmatisers (those who believed disease was transmitted in the air) food for thought (the puns just keep rolling along. **The ghost map audiobook** Great breakthroughs are closer to what happens in a flood plain a dozen separate tributaries converge and the rising waters lift the genius high enough that he or she can see around the conceptual constructions of the age. **Pdf ghosts of saltmarsh** English Steven Johnson is the bestselling author of twelve books including *Enemy of All Mankind* *Farsighted* *Wonderland* *How We Got to Now* *Where Good Ideas Come From* *The Invention of Air* *The Ghost Map* and *Everything Bad Is Good for You*. **Book the ghost and mrs muir** Steven Johnson is the bestselling author of twelve books including *Enemy of All Mankind* *Farsighted* *Wonderland* *How We Got to Now* *Where Good Ideas Come From* *The Invention of Air* *The Ghost Map* and *Everything Bad Is Good for You*: I would have preferred it if he had stuck to his subject rather than stringing together a series of personal opinions, **The ghost map audiobook** The discussion of the relative risks of a nuclear holocaust versus bio-terrorism via a genetically engineered virus seemed forced: **Science The Ghost mapquest** Does it really matter? The author somehow managed to work in references to both the Iranian nuclear policy and intelligent design in a book about cholera in the nineteenth century, **The ghost map book** Was there an editor? English Whenever smart people cling to an incorrect idea despite substantial evidence to the contrary. **The ghost map online book** And so it was when a deadly cholera epidemic spread through London in 1854, **The ghost map pdf** The odor of the Thames.

The Ghost Map history book

Who knew I'd find a nonfiction account of the epidemiological history of cholera more interesting than most YA fantasy??this book was disgusting, **What is the ghost map book about** well the first hundred or so pages were the funnest ever (five star level for real): **History ghost stories** this is an impressive book and you should at the very least read the first hundred pages of this and then John Snow's Wikipedia page or something, **Book the ghost writer** This was going against the scientific opinion of the time a miasmatic theory which argued that air small and conditions were responsible: **The Ghost Map science experiment** The book covers a variety of areas: history biography detective work epidemiology and scientific investigation: **The Ghost Map science experiment**

Johnson uses a Victorian novelist's trick and takes a chapter to introduce each player, **The ghost map audiobook** The first chapter introduces the city of London and then the main players John Snow Rev Henry Whitehead Edwin Chadwick and William Farr: **The ghost map pdf free** The descriptions of the conditions in London before the sewer system was built was pretty stomach churning: **The Ghost Map nonfiction articles** I never realised that most basements/cellars were used as cesspits: **Nonfiction ghostwriter** Also the descriptions of the myriad citizens who in varying ways made a living out of the waste has its own fascination. **Ghost map book pdf** It's a great story and I knew a bit about Snow but I was less aware of the role of Whitehead, **Old ghost road map** He was working as a vicar in the area and knew and visited many of those who died, **Book the ghost writer** He did a good deal of the detective work that supported Snow's thinking: **The Ghost Map science experiment** Snow of course was already known for his work on chloroform and anaesthesia and would have had a place in the history of medicine just for that. **The ghost map reflection** Johnson's introduction to the book is a good summation: "This is a story with four protagonists: a deadly bacterium a vast city and two gifted but very different men. **Historic ghost ships** One dark week a hundred fifty years ago in the midst of great terror and human suffering their lives collided on London's Broad Street on the western edge of Soho: **Book the ghost writer shadows of the past** It's the story of a map that lies at the intersection of all those different vectors a map created to help make sense of an experience that defied human understanding: **Book the ghost keeper** "The book is somewhat repetitive at times: and then there is the epilogue which leaves the subject of the book and is much more speculative. **Pdf ghost by jason reynolds** Johnson looks at increasing urbanization arguing we are becoming a city planet and looking at what might put this at risk: **The ghost map ebook free** He focuses on various types of terrorism individual with weapons and explosives portable nukes chemical and biological, **Nonfiction ghost stories** Here Johnson is in a more reflective mode but it is very speculative and not really on the mark with too much painting terrorists as pantomime villains and not enough analysis: **The ghost map book** English This book tells the true story of the London cholera epidemic in the 1850s and how Dr, **The ghost map reflection** John Snow and Reverend Henry Whitehead eventually teamed up to solve the mystery of how the disease is transmitted: **The ghost map pdf** At the time it was believed to be spread via "miasma" (bad air) and putrid smells. **Book the ghost** Snow believed in the water-born theory where vibrio cholerae bacteria is transmitted by drinking contaminated water: **Kindle ghosting** Snow mapped the progress of the disease tracing cases and deaths to find the source of the outbreak. **Kindle ghost stories** His methods were scientific but at the time superstitions and prevailing theories were ingrained and it was difficult to overcome the rigid thinking: **Book the ghost and mrs muir** In fact one of the most enlightening aspects is observing how unproven speculations garner so much traction that evidence to the contrary is dismissed, **Kindle ghost touch** I particularly liked Steven Johnson's vivid portrayal of London, **The ghost map ebook free** The smell of cesspools and overflows of human waste into cellars must have been atrocious and it is easy to see how the miasma theory originated: **The Ghost Map science experiment** A lengthy epilogue covers the future of urbanization and threats to it. **The ghost map reflection** The author advocates bringing advancements in infrastructure to developing countries to improve sanitation and provide clean drinking water: **Book the ghost writer** He also covers global pandemics (a particularly relevant topic obviously) genomic advancements as applied to microbiology and bioterrorism. **The ghost map reflection** This audio book sounds like a documentary and will appeal to people that want a deep dive into a single science-related topic. **Book the ghost writer** He narrates smoothly and his voice has a deep timbre which works well for this subject matter: **EPub The Ghost map 2** English I enjoyed most of the book and London in general was foul, **The Ghost Map science experiment** Therefore erroneous thinking assumed the disease must have arisen from bad air. **The ghost map ebook free** A bacterium in the drinking water? Not believable at that time, **Book the ghost writer** The outbreak of cholera was also blamed on the poor the malnourished the morally corrupt: **The Ghost Map nonfiction chapter 1** Snow and Whitehead worked together one from a scientific approach and the

other from personal narratives to find the source of this illness. **Pdf ghost by jason reynolds** The title of the book refers to the demographic maps they developed to pinpoint where the density of cases existed: **The ghost map pdf** Whole families were succumbing in tenements as well as in wealthier sections of the city, **Book the ghost writer** Their work was a victory for reason and science over misinformation superstition and long held biases. **The ghost map book review** Published in 2006 some of Johnson's conjectures about the treatment and progress of a modern pandemic are in need of reevaluation. **Book the ghost at the feast** Although Ghost Map is well-researched and fascinating it did bog down in some sections, **The ghost map book summary** His ramblings on modern cities and current global issues were unnecessary to the story: **The Ghost Map science experiment** This was an enjoyable read that might have been better with some serious editing. **Kindle ghost books** It's the summer of 1854 and London is just emerging as one of the first modern cities in the world, **Book the ghost writer by martin van helden** As the cholera outbreak takes hold a physician and a local curate are spurred to action—and ultimately solve the most pressing medical riddle of their time: **The ghost map audiobook** The story I learned goes like this: during a terrible cholera outbreak in Victorian London Dr: **The Ghost Map science experiment** Turns out there are about seven books worth of topics in here wrestling each other for space with brawny arms: **Book the ghost writer** Which left me with a lot to get off my chest so if you want to move right along to the next review before the unloading begins I totally understand, **The Ghost Map science project** Snow the progress of the epidemic the map and the pump handle = Fascinating, **The ghost map audiobook** Enthrallingly this turns out to be quite different than that story that was floating around my biology class: **The ghost map reflection** The way the structure follows the daily disease progress the actions of Snow and the previously underemphasized role played by local clergyman Rev. **The ghost map reflection** If the whole book had been like this plus a few more maps (see 5 below) I would have closed it a happy nerd indeed. **Book the ghost writer by martin van helden** The history of a classic scientific paradigm shift from the miasma (bad air) theory of cholera transmission to the waterborne theory championed by Snow = EXTRA Fascinating: **Book the ghost and mrs muir** Report on waste disposal in Victorian London with particular attention given to poop = Fascinating: **Book the ghost writer** Our modern understanding of the life history and evolution of the cholera bacterium = Frustrating but maybe only to me, **The ghost map book** Host/pathogen evolution and interactions are like candy to me because I'm weird like that so I was quite looking forward to this bit: **The ghost map reflection** " He did say twice that of course they're not really hanging out and sentiently plotting our doom (for which yay! Michael Pollan in Botany of Desire please take note. **Book the ghost keeper** Snow's maps as visual displays of quantitative information = EXTRA Frustrating: **The Ghost Map science experiment** The guy put "Ghost Map" before the colon for Lord's sake and dragged Tufte in the least he could do is show us all the maps he discusses: **The Ghost Map science experiment** The only Snow map in my book was not even his revolutionary Voronoi diagram: **Book the ghost keeper** Plus I was dying to compare Snow's maps with the less useful Department of Sewers disease map that preceded them, **Book the ghost** Treatise on historical urbanization and the emergent properties of city-as-organism = Fascinating for about half a page quickly mutating into frustrating thereafter: **Book the ghost and mrs muir** Good on him: epidemiology and urbanization are intertwined in interesting ways: **The Ghost Map science experiment** Rampant speculation about impact of the Broad Street epidemic on future urbanization patterns = FRUSTRATING: **The Ghost Map science experiment** Now here's where Johnson takes that parallel interest deep into crazy-train territory, **The ghost map book** English WARNING: Do not read this review if you are squeamish, **The ghost map audiobook** This book is about cholera and as a result the author uses an impressive number of words for shit—including excrement ordure human waste and the Victorian euphemism night soil, **The ghost map book** He writes that cholera is a supremely dark chapter in the book of death and points out how wrong it is that people are still dying of this preventable treatable disease. **Book the ghost** I learned that this is not a good audiobook to listen to when cooking dinner, **Nonfiction ghostwriter** However it is a great audiobook to listen to when cleaning,

Book the ghost writer shadows of the past My kitchen and bathrooms have never been more thoroughly disinfected: **The Ghost Map history book 5** Had seen the PBS special on Snow and his discovery during the cholera epidemic a few months back and this added more detail to that show, **Book the ghost** Interesting theories abounded the miasma theory which was a theory almost all favored, **The ghost map book** Snow dedicated his life to the sciences what he accomplished was nothing short of astonishing, **Science The Ghost map answers** Quitman informative book at times too much information learned more than I wanted to know about how waste was handled in the past. **The ghost map reflection** Didn't care for the last chapter but did hold my attention for most of the book. **Nonfiction ghost stories** He can't seem to get over the fact that all manner of educated and otherwise reasonable people believed that disease was caused by noxious smells, **Book the ghost writer by martin van helden** From an examination of this nether world Johnson then moves on to the slums of London doing a crack-up job describing the cramped horrid living conditions, **The Ghost Map science experiment** He zeros in on one street and one family; a harried mother is caring for a sick infant who eventually dies. **The Ghost Map science experiment** The child suffers from virulent diarrhea and is wasting away. **The ghost map reflection** The mother washes the soiled diapers and tosses the dirty water in the cesspool just outside her door, **The Ghost Map nonfiction pdf** Johnson is best when he describes this world with its reeking slums: **The ghost map ebook** But he is inclined frequently to hare after philosophical questions not the least of which is mankind's inability to see beyond the dominant scientific paradigms of the time, **Ebook ghostwriters** While Johnson has many interesting ideas and speculations it's tiring to be taken on so many unresolved side journeys: **Science The Ghost map answer key** Nor was I particularly enthralled to read the minutia of Snow's statistical analysis he built for his case: **Science The Ghost mapquest driving** Johnson also seems inordinately fond of the idea of a map as a grand organizing theme one which he stretches out well past the 19th century in the final chapter: **Book the ghost writer** Actually the final chapter leaves Snow's London altogether and is something of an eye opener: **Book the ghost keeper** Johnson discusses the role of cities in the modern world as well as the gravest threats that mankind faces today: **Book the ghost writer** As it is putting them into one book weaving between factual account and philosophical premise was over-reaching a bit, **The ghost map book summary** Once ingested it forms colonies on the intestinal wall begins to reproduce with ferocious speed and proceeds to trick the cells into excreting water rather than absorb it: **The ghost map pdf download** The only way to get cholera is by ingesting the excrement of another person so infected: **Book the ghost at the feast** Now you might say whoa that's more than I really wanted to know and I have no intention of so doing anyway. **The ghost map reflection** Johnson discusses the interrelationship of the rise of cities alcohol tolerance as a genetic adaptation to increased agriculturalization, **The ghost map reflection** Sewers had been designed to channel away rain water to and help prevent flooding in the city. **The Ghost Map science experiment** In fact it was prohibited to dump anything in the sewers and the Thames had been teeming with fish and quite clean: **The Ghost Map kindle app**) So they had the brilliant idea of using the sewer system to wash the excrement out of the city and into the river which soon became foul, **Book the ghost keeper** As it had also been the source of drinking water the transmission of the cholera bacteria was efficient and inevitable, **The ghost map reflection** Snow's rational approach to discovering the cause of the disease is remarkable in other ways: **The Ghost Map kindle app** It had been common (a mythos that still is often heard today) to blame disease on lack of moral fiber, **The ghost map audiobook** Since most of the victims were poor and we all know that the poor are morally unfit the victims themselves were somehow responsible for the illness. **The Ghost Map nonfiction writing** Snow rejected that possibility rationally looking at evidence and building his case for the water-bourne nature of the disease, **The ghost map audiobook** Johnson turns a nice metaphor in describing Snow's discovery: , **The Ghost Map nonfiction chapter 1** It is rarely the isolated genius having a eureka moment alone in the lab. **Book the ghost writer by martin van helden** Nor is it merely a question of building on precedent of standing on the shoulders of giants in Newton's famous phrase: **Book the ghost writer shadows of the past** How the source of cholera

epidemics in London in 1854 was identified and explained is the subject of this engrossing work. **The ghost map reflection** A very good companion book to read with this one is Yellow Fever Black Goddess: The Coevolution of People and Plagues which has an excellent section on modern cholera treatments: **Book the ghost writer shadows of the past** Hes the host of the podcast American Innovations and the host and co creator of the PBS and BBC series How We Got to Now, **Kindle ghost writing** Johnson lives in Marin County California and Brooklyn New York with his wife and three sons. **The ghost map book** He's the host of the podcast American Innovations and the host and co creator of the PBS and BBC series How We Got to Now: **The Ghost Map science experiment** Johnson lives in Marin County California and Brooklyn New York with his wife and three sons[1]

But I hated the concluding chapter. it was also SO FUN. then the next one hundred were like.eh.lot of question marks today huh. even more than usual. The account of Snow's investigations is fascinating. Skip the last chapter. Dr. The scavenging hierarchy is fascinating. It is read by Alan Sklar. Everyone knew it. Seeing is believing. John Snow.The Contenders1. What actually happened with Dr. Henry Whitehead -- all this was just great.2. See: a classic. 3. 'Nuff said.4.) but then he kept right on using the misleading language.5. Johnson has a clear parallel interest in these topics. 7.? Very awesome indeed. In conclusion more maps make everything better. Thank you. Or eating. And shit of course. English 3. How they did so much with so little. Took hard work without all our modern scientific equipment. The condition were nothing short of appalling. The cesspool in turn oozes into a local well. The stage is set for the beginning of an epidemic. This bogs the narrative down. This chapter could well be a stand-alone essay. English Cholera is a nasty little bug. That is the key.how great breakthroughs usually happen in practice. {site_link}.