



I'm not robot



reCAPTCHA

Continue

Plumbus instruction manual

MIT researchers have just got a computer to perform another task that most humans are unable to do: They learned to play a game by reading the instruction manual. MIT's Computer Science and Artificial Intelligence lab has a computer that now plays civilization by itself - and earns nearly 80% of the time. These are better stats than most of us might boast, but the real win here is the fact that instruction manuals don't explain how to win a game, just how to play it. The results may be game-oriented, but the real purpose of the experiment was to get a computer to do more than process words as data and process them as language. In this case, the computer read instructions on how to play a fairly complex game, then proceeded not only to play this game, but to play very well. If you take the same process and replace games with something more real applicable, such as medicine or automotive technology, you might have a computer that is able to act as more than just a reference tool. Much more. Take IBM's Watson. Sure, it's an amazing breakthrough in computer technology, but it's based on the idea that if you load monstrously huge amounts of data into a computer, you could put it to use in a way that a human could. The results are pretty decent, but they are very specific to what kind of data have been given to the machine - and right now the data is likely to be things like sales catalogs and insurance policies. Loading hordes of medical journals into a Watson-style machine could make something very useful in diagnosis, but it won't make a doctor. Teaching a computer to actually read medical books, as a student would in medical school, is something completely different. That may be a little far off at the moment, though. A more short-term goal would probably be language, which is in line with the original goal of the experiment. Now that a computer has learned to read an instruction manual, it's not too far a leap to think you could read through foreign language books, and actually learn a language. What we would have had at this point would be a computer that could translate sentences based on their intended meaning, rather than just processing definitions of words and grammatical rules. Removing the language barrier around the world would be a hell of a lot better than winning a game of civilization, after all. Read more at MIT News Our editors independently research, test and recommend the best products; you can learn more about our review process here. We can receive commissions on purchases made from our chosen links. No matter how big or small your kitchen is, you'll probably have to use a tin opener in some if you are opening canned vegetables for lunch or feed the resident cat your favorite dinner. Manual openers can be a great tool to have in the kitchen because they take less space than their electric counterparts, and they don't cost nearly as much. Manual openers can fall into two those who cut the lid of the mind just inside the edge of the mind, and those that desensitize the outer edge of the mind. Those in the first category allow you to leave the lid in place and use it to retain food when you want to drain the liquid. Those in the second category allow you to place the lids on the mind for temporary storage, although the lids do not fit, so catching your mind from the top can result in a disaster if you are not careful. No matter your preference, here's the top manual you can open to add to your arsenal of cooking tools. You can't go wrong with the OXO Good Grips Highly Grips Smooth Edge Can Opener! The side wind mechanism easily cuts the minds and leaves no sharp object behind. It is built of high quality stainless steel which is safe for easy cleaning. Customers agree that this well-designed opener can be a great value. Like other OXO tools, this opener can be designed to be extremely comfortable: it has handles that are locked together because you don't need to squeeze them while you open the tin. The soft grip knob is comfortably located next to the mind and is super easy to rotate. If the lid is not completely loose, the built-in lift tool allows you to remove it without putting your hands messy. If the cost is not a problem, this stainless steel opener is the way to go. High quality stainless steel will not oxidize, dazzle or sink over time, and look beautiful in any kitchen environment. Most importantly, the cutting mechanism is completely sealed and will not come into contact with food, meaning you rarely need cleaning. The side cut ensures that there are no sharp edges that can handle fingers, and the lid can be placed back in the mind for short-term storage. The hanging hole of the handle also makes it easy to store on a rack where it is easy to grab when you need it. Most reviewers agree that this manual opener is worth the extra money and does not oxidize or dazzle over time. If you have children or teenagers who like to help in the kitchen, you should invest in a tin opener that opens tin from the side of the lid so you don't have sharp edges. Our best selection is the Kuhn Rikon Auto Safety Master Can Opener. It is reasonably priced and has more than 1,400 user reviews. With this it can open, there is no need to tighten the handle, as the opener automatically grabs the tin as it begins to twist the upper handle. If the lid seems a little stuck after it opens, mini pliers allow you to grab the edge of the lid for easy removal. Simply press a button on the side to release the lid on the recycling bin. This product also includes a bottle opener, a twisted bottle opener and a hook to easily grab traction tabs the tins. If you are looking for a manual you can open that will not break the bank, this is a great option because it has a reasonable price and still does the job well. Earn extra points for ease of use and slim design. No need to tighten the handles to catch the mind from the cut as you start turning, while the chrome loop helps you position the opener correctly so that it can be opened. Since this deconseals the side of the lid, there are no sharp edges to worry about once the mind is open. Heavy chromium construction is supposed to be resistant to breaking, dereer, scratching, staining or dazzling, although some customers said it broke down after a year of use. For the most part, however, customers say they are happy with their purchase. This 3-in-1 can open is ideal for people who have less skill on the one hand, since you can safely operate the tool with the other hand. It can be used by users on the left or right, too! It has a design without compressed single handle and an easy to turn knob, so people with arthritis or joint pain will not have to worry about excessive grip or tightening. This works from the side of the mind, so it removes the lid without creating any sharp edges. It's not a one-trick game, this gadget has an integrated bottle opener and a jug opener that will save you space in your kitchen. People who find twisting a small knob is uncomfortable will love this you can open because it has a large handle handle. If you're worried about storing an item with such a large handle handle, you're able to fold for more compact storage - it's no more convenient than that. This traditional opener can work to pierce the top of the tin and cuts perfectly around the inner edge to completely remove the lid. When finished, it should be washed by hand and dried immediately to preserve the cutting edge. The large size of this opener can make it ideal to open extra-large tin that smaller openers can fight. Reviewers say this is a comfortable tin opener and many appreciate the versatility of this gadget. There is a reason why this manual can open designed in the 50s remains a pillar in today's homes: It has a simple design that works like a charm every time. It may not look like much, and there are no luxuries like magnets, but customers say it does the job and supports the test of time, resisting rust with its zinc-bathed carbon steel construction. As the name suggests, the tool is American, unlike some aspects of the market. Everyone has an Ikea horror story. My wife's work desk, for example, took her and my mother-in-law an entire day to meet, advancing only in shape and starting with frequent intermissions to curse. (I would have helped, but I was conveniently absent for reasons I can't remember.) Even Ikea itself seems to have accepted that reputation. A newspaper in Sweden described Ikea [furniture assembly] as something between civil engineering and the captaincy of a submarine, and I think it's a good description, he says Dickner, deputy director of packaging at Ikea. However, there is an infallible method to turn Ikea's rage into a creepy respect: to assemble almost any other furniture brand. After an hour comparing piles of ambiguous components ambiguous an assembly diagram that looked like a miswritten mimic to Area 51, I somehow produced a final table of HomeGoods, as well as a growing curiosity about how Ikea designs its own packaging and instructions, which now seemed positively Eamesian by comparison. To adapt Winston Churchill's famous quip, Ikea may be the worst form of ready-to-assemble product design we have, except for everyone else. According to Allan Dickner, whatever your most frustrating Ikea experience, it could have been worse, and most likely it was for the packaging engineer who tried even more complicated versions of the product before reaching the optimized design you unearthed on the living room floor. We had a piece of furniture, a type of wardrobe, that originally had more than 400 accessories and screws to keep it together, Dickner says. Of course, this extreme demolition, the industry's term for dismantling products to make them easier and cheaper to ship to customers, is a big reason why the Ikea wardrobe is so affordable. But when it takes five hours to build it, you may wonder: have you gone too far with plain packaging? Dickner adds. It is always about finding a balance between the ease of assembly and the optimization of packaging. (This closet, for registration, was redesigned to demolish in fewer components.) Ikea's flat packaging engineers are included alongside product designers in the initial briefings for any new Ikea offerings. But after half a century of knocking down shelves and armoires, Ikea doesn't need to reinvent the wheel very often. For 80% of ready-to-assemble products, Ikea's packaging engineers rely on what Dickner calls proven solutions: widespread templates that engineer nips and tucks match the specifications of a new item. These proven solutions are not only algorithmically optimized (even if they are)—but also incorporate knowledge about living conditions in all countries where Ikea furniture is sold. It would be pretty stupid to design a package that is flat and efficient, but won't fit into a small elevator or staircase, Dickner explains. It sounds ridiculous, but in the UK, this was one of the most common reasons for a customer returning a product. He adds that global package designs are tested in Japan and South Korea because these are customers living in smaller spaces. Turning a three-dimensional sofa into a flat-packed 2-D pseudo puzzle is not a feat of medium design. But if the assembly instructions don't make sense, all this work is moot. According to Jan Fredlund, a designer who works on these instruction leaflets, there are two guiding principles behind each page: clarity and continuity. The first term is obvious enough, but Ikea takes it seriously than the instruction designers communicators, according to Fredlund) start by putting a product together themselves. The assembly of tests offers the opportunity to find out if there is a risk that client might put a certain part in the wrong direction that may not seem like an obvious error at the moment, but it will cause a problem many steps later, fredlund says. Continuity, on the other hand, is what separates Ikea's instructions - even the disconcerting ones - from those of other brands. Lego-shaped illustrations are based on construction drawings, digital snapshots, 3D models and test-assemblage videos. Designers take pains to make each successive image of a single invariable point of view (imitating that of the client), so that confusing rotations or perspective changes are minimized and the customer can remain oriented more easily as they move back and forth between the brochure and the parts. If the end result sometimes feels like a civil engineering project (as Dickner admits with some pride), it's because a high level of precision and redundancy is exactly what sustains even the most complex or tedious Ikea assemblies. They may not be pleasant, but at least they are rational and understandable -even sympathetic- by design. Think of this big-breasted Ikea man who has been shown calling the company when he gets stuck. He's not mocking or condescending. In any case, it represents an Ikea designer who has already gone through exactly what is happening now on the living room floor: half-quizzily looking from the instruction booklet to the pile of pieces and back, hoping for the best, but confident that everything, at least, will make sense. Sense.