

Snippet annotation - qualification task

Identify all the text spans that contain key pieces of the answer to a given question

Things to do in this qualification task:

- Provide your worker ID
- Get familiar with the task instructions
- Read carefully the provided examples
- Complete the short quiz
- Complete the sample task

Your MTurk worker ID:

Instructions

Your task is to identify all the text spans that contain key pieces of the answer to a given question.

Text spans should contain a **single piece of information**, be **as short as possible** while **self-contained**, and **can not overlap**.

Examples

1. Query: I just had a breast biopsy for cancer. What are the most common types of breast cancer?

Passage: More research is needed. Types Breast cancer can be: **Ductal carcinoma**: This begins in the milk duct and is the most common type. **Lobular carcinoma**: This starts in the lobules. Invasive breast cancer is when the cancer cells break out from inside the lobules or ducts and invade nearby tissue, increasing the chance of spreading to other parts of the body. Non-invasive breast cancer is when the cancer is still inside its place of origin and has not broken out.

2. Query: Once it breaks out, how likely is lobular carcinoma breast cancer to spread?

Passage: Even though this condition doesn't spread, it's important to keep an eye on it. **Between 20% to 40% of women with this condition will develop a separate invasive breast cancer -- one that will grow outside its original location -- within the next 15 years.** Most of the

time, these later cancers begin in the milk ducts, rather than the lobules. How is lobular carcinoma in situ diagnosed? You often won't have any symptoms with LCIS.

3. Query: What? No, I want to know about the deadliness of lobular carcinoma in situ.

Passage: It's sometimes difficult to separate the two conditions and in this case it will be described as lobular neoplasia. Future breast cancer risk **The vast majority of women diagnosed with ALH or LCIS will never get breast cancer. However, people diagnosed with either condition have a slightly higher risk than the general population of developing breast cancer.** PLCIS behaves differently to ALH and LCIS, and may be more likely to develop into cancer in the future. **Your individual risk depends on several factors,** which your specialist can talk to you about.

4. Query: Wow, that's better than I thought. What are common treatments for lobular carcinoma in situ?

Passage: Treatment and follow-up There is no standard recommended treatment or follow-up for lobular neoplasia. Your specialist will discuss treatment options with you based on your particular situation. **If your lobular neoplasia is diagnosed by a core biopsy, your doctor may recommend removing more tissue from the area where the lobular neoplasia was found. This is to find out if there are any cancer cells in this area. This may be done using a procedure called a vacuum assisted biopsy, or a small operation known as an excision biopsy.**

5. Query: How does LCIS behave differently from PLCIS?

Passage: Wilson said she has vigilantly monitored her health with mammograms and MRIs after knowing she had an underlying condition of LCIS, (lobular carcinoma in situ). When a recent breast biopsy revealed PLCIS (pleomorphic carcinoma in situ), initial tests showed that it was not cancerous. But Wilson had second thoughts. A friend who had had breast cancer suggested I get a second opinion on my pathology and my gut told me that was the thing to do, she wrote. When she went to two other pathologists, both confirmed a cancer diagnosis. I share this to educate others that a second opinion is critical to your health, she said. You have nothing to lose if both opinions match up for the good, and everything to gain if something that was missed is found, which does happen. Early diagnosis is key. Wilson is the second celebrity in a week to do a public service announcement for early cancer detection. Last week, Taylor Swift revealed that her mother had recently been diagnosed with cancer, and urged her fans to remind their parents about getting screened. → **No answer**

Challenges

The task of text spans annotation is non-trivial and requires a thorough reading of both questions and the accompanying passages. While performing the task keep in mind that:

1. An answer may be present in many different forms. It can be a short name, numerical value, or a longer explanation spread over several sentences → *choose spans that are as short as possible while self-contained*
2. Several different answers may be given in one passage → *choose **all** of them as separate spans*
3. Passages may contain noise in the form of links, and webpage headlines → *try not to contain it in the spans, while remembering to keep spans self-contained*
4. The answer may be not present in the passage → *don't choose any span*

Quiz

1. In a situation when answer to the question is very complex and it is explained in several sentences, how should the text spans be chosen?
 - ☐ All the sentences explaining the answer should be included in one text span.
 - ☐ Each sentence should be a separate text span, even though they depend on each other.
2. If a question is about a list of distinct properties of a given object, every property should be:
 - ☐ an individual text span.
 - ☐ included in one long text span.
3. If a passage contains several different answers to a given question:
 - ☐ only the best answer should be chosen.
 - ☐ all answers should be highlighted, but they should be included in separate text spans.
4. Is it possible that answer to the question is not present in the provided passage?
 - ☐ Yes
 - ☐ No
5. What should be done if a span with an answer contains a text of a hyperlink in the middle (e.g., *Lobular <http:dcvffv> carcinoma*)?
 - ☐ The answer should be split into two text spans to exclude the noise from the text span even though the two resulting text spans are meaningless.
 - ☐ The hyperlink should be included in the text span to maintain the meaning of the text.

Task

In each passage highlight the chosen text spans using **yellow text highlight** (if the answer is present). Do not edit the text of the passages. Tell us how confident you are in your answer after annotating each passage, and explain why.

Question 1:

What are the benefits of cow milk?

Passage 1:

Cow milk seems to be everywhere and is often taken for granted, but it has many important health benefits, including its ability to aid in weight loss, build strong bones and teeth, boost the immune system, reduce fat, protect the heart, prevent diabetes, eliminate inflammation, and help stimulate growth. Cow Milk No matter where you are on the planet, you've almost certainly come across cow milk. In most parts of the world, it is the primary [1] animal milk consumed by humans, although goat, sheep, and even camel milk are popular based on the availability of animals. Cow milk (derived from bovines) is intended for sucking by young cows, just as human infants are often nursed with human breast milk. However, the nutritional value and availability of cow's milk have made it one of the most in-demand liquids on the planet.

How confident are you in your answer?

- ☐ Very high confidence
- ☐ High confidence
- ☐ Medium confidence
- ☐ Low confidence
- ☐ Very low confidence

Why?

Question 2:

What about an alternative. How is milk made from almonds?

Passage 2:

If you are allergic to soy or dislike soy milk, almond milk is a good choice as long as you pay attention to your protein intake. Commercially available almond milk is often enriched with vitamins A and D, as well as calcium, to make it seem more like regular milk. (Almonds provide some calcium, but not as much as cow's milk.) Almond milk is low in calories compared to other milk substitutes and contains some heart-healthy monounsaturated fat. Be sure to check the labels of almond milk before you buy, because some brands contain preservatives, and other additives. Note that you can make almond milk at home – an easy process, requiring only organic raw almonds, water and a little sugar or other sweetener. You can find many recipes online. You might also try oat, hemp or rice milk. Oat milk provides more fiber than other milk substitutes and was shown in a Swedish study to help lower LDL ("bad") cholesterol and total cholesterol.

How confident are you in your answer?

- ☐ Very high confidence
- ☐ High confidence
- ☐ Medium confidence
- ☐ Low confidence

☐ Very low confidence

Why?

Question 3:

Which of the milk options (almond, oat, hemp or rice milk) is the healthiest?

Passage 3:

Why Whole Milk is the Healthiest Choice
tweet email 227
By: Experience Life August 31, 2009
About Experience Life Follow Experience Life at @ Experience Life I drink whole milk and eat full-fat yogurt, cream cheese, and sour cream. Sure, full-fat dairy products taste better than the skim/fat-free versions, but I don't eat them for the taste. I eat full-fat dairy because it's better for my health and my weight. Yep, you heard me right: I eat dairy products with all the fat god gave 'em, and I do it because it's good for me. Here's why:
1. Our bodies cannot digest the protein or absorb the calcium from milk without the fat. Love This? Never Miss Another Story.
2. Vitamins A and D are also fat-soluble. So you can't absorb them from milk when all the fat has been skimmed off.

How confident are you in your answer?

- ☐ Very high confidence
- ☐ High confidence
- ☐ Medium confidence
- ☐ Low confidence
- ☐ Very low confidence

Why?

Question 4:

No, the vegan ones. Which of the vegan alternative milk options is healthiest?

Passage 4:

There are a ton of nondairy milks to choose from, but which one is the healthiest? »RELATED: Milk in the fridge? Someone may owe you money To find out, researchers from Mc Gill University recently conducted an experiment, published in the Journal of Food Science and Technology, to determine the nutritional value of plant-based milk beverages. To do so, they compared the health benefits of the four most popular alternative milks, including soy, almond, coconut and rice. They examined the number of calories and amount of protein, fat and carbohydrates found in each. They also looked into the vitamins and minerals the substitutes contained. While they said cow's milk still has the most nutritional value, with 8 grams of protein,

9 grams of fat and 11.5 grams of carbs, soy is the most comparable for overall balance. It's "a clear winner," they wrote in a statement.

How confident are you in your answer?

- ☐ Very high confidence
- ☐ High confidence
- ☐ Medium confidence
- ☐ Low confidence
- ☐ Very low confidence

Why?

Question 5:

Can I make soy milk at home?

Passage 5:

Soy milk makerA soy milk maker is a small kitchen appliance which automatically cooks soy milk, a non-dairy beverage made from soy beans. Soy milk makers work similarly to a combination between a home blender and an automatic coffee maker. Some soy milk makers can also be programmed to make almond milk, rice milk, and other vegetable-based steeped beverages. Homemade soy milk can be made to the drinkers' tastes and nutritional requirements, providing added value. Soy pulp, a by-product of soy milk preparation, can be used as an ingredient in many recipes and food products. Ordinary methods for making soy milk at home are often very labor-intensive (requiring beans to be soaked, ground in a blender, strained, and then cooked). Soy milk machines perform many of these steps automatically, greatly simplifying home-based soy milk production.

How confident are you in your answer?

- ☐ Very high confidence
- ☐ High confidence
- ☐ Medium confidence
- ☐ Low confidence
- ☐ Very low confidence

Why?

Question 6:

Oat seems popular now. Why?

Passage 6:

Oat milk is a type of plant milk derived from whole oat ("Avena spp.") grains by soaking the plant material to extract its nutrients. Oat milk naturally has a creamy texture and a characteristically oatmeal-like flavor, though it is sold commercially in various flavor-varieties such as sweetened, unsweetened, vanilla, and chocolate. Unlike other plant milks, whose origins date as early as the 13th century, oat milk is a modern creation, developed by the Swedish scientist Rickard Oste in the early 1990s. Oats contain high amounts of functional protein, dietary fiber (β -glucan), and unsaturated fatty acids, which make oat milk a significant source of nutrients, though uncertainty surrounds its practical use as a dairy milk substitute. Regardless, oat milk is often consumed to replace dairy milk in vegan diets, or in the cases of medical conditions where dairy is incompatible, such as lactose intolerance or a cow's milk allergy (CMA).

How confident are you in your answer?

- ☐ Very high confidence
- ☐ High confidence
- ☐ Medium confidence
- ☐ Low confidence
- ☐ Very low confidence

Why?

Question 7:

I'm going to bake some cookies. Which vegan milk is best for baking cookies?

Passage 7:

Here is a guide to help you choose the right non-dairy milk for all your cooking and baking needs.

1. Soy Milk Of all the non-dairy milks available, soy milk has the most protein and in that regard is comparable to cow's milk. One cup of soy milk provides 4 grams of unsaturated fat, 1 gram of fiber, and 7 grams of protein. Soymilk has 75% more antioxidants than cow's milk. It is hearty, rich and creamy. Soy milk is good for drinking straight from the glass, poured over cereal or in coffee. The taste is nutty and slightly sweet. When it comes to cooking, soy milk is one of the best milks to choose. It can be used in place of cow's milk in any recipe. It is stable at high temperatures which makes it a good choice for savory dishes and sauces. In baking, soy milk is also one of the best choices because of its high protein content.

How confident are you in your answer?

- ☐ Very high confidence
- ☐ High confidence
- ☐ Medium confidence
- ☐ Low confidence
- ☐ Very low confidence

Why?

Question 8:

Which vegan milk besides soy is best for baking?

Passage 8:

I'll now think twice before calling for non-dairy milk instead of soy milk in many of my recipes where I rely on the flavor compounds created by the curdling of apple cider vinegar and soy milk. I'm going to stick with soy milk for my vegan baking adventures but keep hemp milk as a close second alternative (as long as it's not added to my coffee). The next time I'm in a pinch and soy or hemp milk can't be found I'll turn to almond milk as a third alternative and if I can't find this I'll go on the lookout for coconut milk, followed by rice milk. I'm aware that over use of soy in food products may be a health concern to many readers as of this writing due to some health studies that have been published. In vegan baking we're using so little of it that if you're concerned about it you really shouldn't be eating baked items in the first place because the sugar and glycemic index issues are a much more serious health issue.

How confident are you in your answer?

- ☐ Very high confidence
- ☐ High confidence
- ☐ Medium confidence
- ☐ Low confidence
- ☐ Very low confidence

Why?

Question 9:

What vegan milk is best in my morning latte?

Passage 9:

Hemp milkHemp milk, or hemp seed milk, is a plant milk made from hemp seeds that are soaked and ground in water. The result resembles milk in color, texture, and flavor. Hemp is conducive to being organically grown and labeled. Plain hemp milk may be additionally sweetened or flavored.
Section:::Production.Production of hemp milk requires hemp seeds, water, and a blender. Many recipes call for ground vanilla or vanilla extract to add flavor, and a type of sweetener. Once all the ingredients are blended together, some people pour the hemp milk through a cheesecloth and strainer to get a smoother and more refined milky texture, but this process is optional.
Section:::Use in coffee.Compared to soy milk, in coffee culture, hemp milk is said to produce better latte art and to have a texture more like cow's milk.
Section:::Nutrition.

How confident are you in your answer?

- ☐ Very high confidence
- ☐ High confidence
- ☐ Medium confidence
- ☐ Low confidence
- ☐ Very low confidence

Why?

Question 10:

I didn't expect that. Really, hemp? Say more about hemp milk for coffee.

Passage 10:

Thanks for the article... I'm going to email it to all of them now. JOhn What are the possible side effects? Thomas Kubica I personally prefer the taste of organic milk, just the regular dairy found at the stores. But whenever I'm making a smoothie or milkshake, I like to add hemp milk. I also like to add flaxseed oil to the shakes as well. I would recommend everybody try a sip of hemp milk at least once. It really does have many benefits. Chad We keep a carton of hemp milk in the fridge at my office. My coworkers and I use it as creamer for our coffee. It tastes alot like 'Hazelnut' flavor, but is much healthier for us.nice post. I'm emailing it to my coworkers now.. thanks Mariothat's weird... I also like to use hemp milk as a creamer for my coffee.

How confident are you in your answer?

- ☐ Very high confidence
- ☐ High confidence
- ☐ Medium confidence
- ☐ Low confidence
- ☐ Very low confidence

Why?